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AN ENUMERATION OF THE HERBACEOUS PLANTS
COLLECTED BY J. F. ROCK FOR THE
ARNOLD ARBORETUM¹

ALFRED REHDER and CLARENCE E. KOBUSKI

FUNGI (LICHENES)

Determined at the Farlow Herbarium

Cladonia gracilis (L.) Willd. var. **elongata** (Jacq.) Floerke

Southwestern Kansu: Tao River basin, nos. 13187, 14937.

Lobaria pulmonaria (L.) Hoffm. var. **hypomela** Crombie

Southwestern Kansu: Lower Tebbu country, nos. 14848, 14867.

Peltigera aphthosa (L.) Willd.

Southwestern Kansu: Tao River basin, no. 13188.

Sticta Henryana Muell.-Arg.

Southwestern Kansu: Lower Tebbu country, no. 14839.

POLYPODIACEAE

Determined by E. B. COPELAND

Woodsia lanosa Hook.

Southwestern Kansu: Lower Tebbu country, no. 14879.

Woodsia macrospora C. Christensen & Maxon in Jour. Wash. Acad.

Sci. xvii. 499 (1927).

Southwestern Kansu: Tao River basin, no. 13712; Lower Tebbu country, no. 14780.

Cystopteris montana (Lam.) Bernh.

Southwestern Kansu: Lower Tebbu country, no. 14871.

Pteretis Struthiopteris (L.) Niewl.

Southwestern Kansu: Lower Tebbu country, no. 14731.

¹For the enumeration of the ligneous plants collected for the Arnold Arboretum by J. F. Rock see Jour. Arnold Arb. ix. 4-27, 37-125 (1928); xiii. 385-409 (1932).

Except when stated otherwise the plants in the following enumeration have been determined at the Botanic Museum, Berlin-Dahlem.

New species and varieties based on material collected by J. F. Rock are marked with an asterisk (*).

- Dryopteris paleacea** (Swartz) C. Chr. var. **khasiana** (Clarke) C. Christensen in Contrib. U. S. Nat. Herb. xxvi. 280 (1931).
Dryopteris filix mas (L.) Schott var. *khasiana* Clarke
 Southwestern Kansu: Lower Tebbu country, no. 14841.
- Dryopteris Robertiana** (Hoffm.) C. Chr.
 Southwestern Kansu: Lower Tebbu country, no. 14778.
- Polystichum Braunii** (Spenn.) Fée
 Southwestern Kansu: Lower Tebbu country, no. 14840.
- Polystichum molliculum** Christ
 Southwestern Kansu: Tao River basin, no. 13135; Lower Tebbu country, no. 14822. Eastern Tibet: Radja and Yellow River gorges, no. 14027 (in part).
- Asplenium varians** Wall.
 Eastern Tibet: Radja and Yellow River gorges, no. 14027 (in part).
- Athyrium acrostichoides** (Sw.) Diels
 Southwestern Kansu: Lower Tebbu country, nos. 14842, 14869.
- Athyrium filix femina** (L.) Roth
 Southwestern Kansu: Upper Tebbu country, no. 14634; Lower Tebbu country, no. 14697.
- Athyrium filix femina** (L.) Roth var. **cyclosorum** Rupr.
 Southwestern Kansu: Lower Tebbu country, no. 14705.
- Athyrium spinulosum** (Maxim.) Milde
 Southwestern Kansu: Lower Tebbu country, no. 14779.
- Notholaena Delavayi** (Baker) C. Christensen in Contrib. U. S. Nat. Herb. xxvi. 307 (1931).
Gymnogramme Delavayi Baker
Gymnopteris Delavayi Underw.
 Southwestern Kansu: Lower Tebbu country, no. 14881.
- Cheilanthes argentea** (Gmel.) Kze.
 Eastern Tibet: grasslands between Labrang and Yellow River, no. 13910.
- Adiantum latedeltoideum** (Christ) C. Christensen in Act. Hort. Gothob. i. 94 (1924).
Adiantum monochlamys var. *latedeltoideum* Christ
 Southwestern Kansu: Lower Tebbu country, no. 14714.
- Adiantum pedatum** L.
 Southwestern Kansu: Tao River basin, no. 14647; Lower Tebbu country, no. 14870.
- Polypodium clathratum** C. B. Clarke
 Eastern Tibet: Radja and Yellow River gorges, no. 14028. Southwestern Kansu: Lower Tebbu country, no. 14880.
- Polypodium eilophyllum** Diels in Act. Hort. Gothob. i. 100 (1924).
 Southwestern Kansu: Lower Tebbu country, no. 14719.

Polypodium lineare Thunb.

Southwestern Kansu: Lower Tebbu country, no. 14854.

Polypodium lineare Thunb. var.

Southwestern Kansu: Tao River basin, no. 12140.

Cyclophorus taeniodes C. Chr.

Southwestern Kansu: Tao River basin, no. 12085.

Cyclophorus sticticus (Kze.) C. Chr.

Southwestern Kansu: Lower Tebbu country, no. 14715.

Cyclophorus pekinensis C. Chr.

Southwestern Kansu: Tao River basin, no. 12139.

LYCOPODIACEAE

Selaginella spec.

Southwestern Kansu: Tao River basin, no. 12085 A.

EQUISETACEAE

Equisetum arvense L.

Western Szechuan: no. 12040.

Equisetum spec.

Eastern Tibet: Radja and Yellow River gorges, no. 13984.

JUNCAGINACEAE

Triglochin maritimum L.Southwestern Kansu: Tao River basin, no. 12273. Eastern Tibet:
Radja and Yellow River gorges, no. 14009; Ba Valley, no. 14246.

GRAMINEAE

Determined by A. S. HITCHCOCK

Torresia odorata (L.) Hitchc.

Eastern Tibet: Radja and Yellow River gorges, no. 14107.

Stipa conferta Poir.

Eastern Tibet: Kokonor region, no. 13383.

Stipa splendens Trin.

Eastern Tibet: Kokonor region, no. 13393.

Stipa mongholica Turcz.Eastern Tibet: grasslands between Labrang and Yellow River, no.
14530.**Aira caespitosa** L.Eastern Tibet: grasslands between Labrang and Yellow River, nos.
14454, 14456, 14528.**Trisetum spicatum** Richt.Eastern Tibet: grasslands between Labrang and Yellow River, nos.
14479, 14488.

Trisetum spec.

Eastern Tibet: grasslands between Labrang and Yellow River, nos. 14457, 14473.

Beckmannia erucaeformis (L.) Host

Central Kansu: no. 12680.

Phragmites communis Trin.

Eastern Tibet: Kokonor region, no. 13387.

Koeleria cristata (L.) Pers.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14451.

Poa attenuata Trin.

Eastern Tibet: grasslands between Labrang and Yellow River, nos. 14446, 14477, 14480.

Poa bulbosa L.

Southwestern Kansu: Tao River basin, no. 13741.

Poa flexuosa Muhl.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14452.

Poa sphondylodes Trin.

Southwestern Kansu: Tao River basin, nos. 12562, 13177.

Poa aff. *P. arctica* R. Br.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14453.

Poa spec.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14472.

Festuca ovina L.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14778.

Agropyron longearistatum Boiss.

Southwestern Kansu: Tao River basin, no. 13711.

Elymus sibiricus L.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14455.

CYPERACEAE

Determined by G. KÜKENTHAL

Eriophorum comosum Nees

Western Szechuan: no. 12023.

***Kobresia kansuensis** Kükenthal in Notizbl. Bot. Gard. Mus. Berlin, x. 882 (1930).

Southwestern Kansu: Tao River basin, no. 13714 (holotype).

Kobresia Prattii C. B. Clarke

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14663.

Carex atrata L. var. **aterrima** (Hoppe) Hartm.

Southwestern Kansu: Tao River basin, no. 13726.

Carex atrata L. ssp. **pullata** (Boott) Kükenth.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14162.

Carex atrofusca Schkuhr

Southwestern Kansu: Tao River basin, no. 12311.

ARACEAE

Arisaema consanguineum Schott f. **latisectum** Engl.

Southwestern Kansu: Tao River basin, no. 12431.

JUNCACEAE

Juncus leucomelas Royle

Central Kansu: no. 12715.

Juncus Thomsoni Buchen.

Eastern Tibet: Ba Valley, no. 14248.

LILIACEAE

Hemerocallis Dumortieri Morr.

Central Kansu: no. 12770.

Gagea pauciflora Turcz.

Southwestern Kansu: Tao River basin, no. 12093.

Allium chrysanthum Regel

Southwestern Kansu: Tao River basin, nos. 13704, 14622.

Allium cyaneum Regel

Western Kansu: nos. 13252, 13253. Southwestern Kansu: Tao River basin, no. 13722.

Allium Henryi C. H. Wright

Southwestern Kansu: Upper Tebbu country, no. 13048.

Allium kansuense Regel

Southwestern Kansu: Tao River basin, no. 13728; Lower Tebbu country, nos. 14885, 14887.

Allium monadelphum Turcz. var. **thibeticum** Regel

Southwestern Kansu: Tao River basin, no. 12401. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14389.

Allium polyrhizum Turcz.

Eastern Tibet: Ba Valley, no. 14364.

Allium Przewalskianum Regel

Southwestern Kansu: Tao River basin, no. 12588.

Allium tanguticum Regel

Southwestern Kansu: Tao River basin, no. 12903.

Allium victorialis L.

Southwestern Kansu: Tao River basin, no. 12847.

Allium spec.

Southwestern Kansu: Tao River basin, nos. 12616, 12852; Upper Tebbu country: no. 13037. Central Kansu: no. 12789. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14449; alpine region between Radja and Jupar ranges, nos. 14095, 14389.

Lilium Davidi Duch.

Southwestern Kansu: Tao River basin, no. 12592 A.

Lilium Duchartrei Franch.

Central Kansu: no. 13618.

Lilium Duchartrei Franch. var. **Farreri** Krause

Southwestern Kansu: Tao River basin, no. 13145; Upper Tebbu country, no. 14608. Central Kansu: nos. 12666, 12668.

Lilium tenuifolium Fisch.

Southwestern Kansu: Tao River basin, nos. 12589, 12592, 13606.

Fritillaria cirrhosa Don var. **ecirrhosa** Franch.

Southwestern Kansu: Tao River basin, 12197, 12481; Upper Tebbu country, no. 13085.

Fritillaria Roylei Hook.

Eastern Tibet: Radja and Yellow River gorges, no. 14102; alpine region between Radja and Jupar ranges, nos. 14160, 14225.

Lloydia tibetica Bak. var. **lutescens** Franch.

Southwestern Kansu: Tao River basin, no. 12600.

Lloydia tibetica Bak. var. **purpurascens** Franch.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14143.

Asparagus brachyphyllus Turcz.

Southwestern Kansu: Tao River basin, nos. 12172, 12915.

Asparagus trichophyllus Bge.

Southwestern Kansu: Tao River basin, no. 12176.

Clintonia udensis Trautv. & Mey.

Southwestern Kansu: Lower Tebbu country, no. 14812.

Polygonatum bulbosum Lévl.

Eastern Tibet: Radja and Yellow River gorges, nos. 13987, 14082.

Polygonatum sibiricum Ledeb.

Southwestern Kansu: Tao River basin, nos. 12561, 12639.

Polygonatum spec.

Southwestern Kansu: Tao River basin, nos. 12241, 12315. Eastern Tibet: Radja and Yellow River gorges, no. 14106.

Paris polyphylla Sm.

Southwestern Kansu: Tao River basin, no. 12224.

DIOSCOREACEAE

Dioscorea quinqueloba Thunb.

Southwestern Kansu: Lower Tebbu country, no. 14752.

IRIDACEAE

Iris dichotoma Pall.

Southwestern Kansu: Lower Tebbu country, no. 14746.

Iris ensata Thunb.

Southwestern Kansu: Tao River basin, nos. 12111, 12323; Upper Tebbu country, no. 13637.

Iris gracilis Maxim.

Southwestern Kansu: Tao River basin, no. 12340. Eastern Tibet: Radja and Yellow River gorges, nos. 13983, 14078.

Iris Potanini Maxim.

Eastern Tibet: Radja and Yellow River gorges, nos. 13945, 13964, 13975; Jupar Range, no. 14338.

Iris tenuifolia Pall.

Southwestern Kansu: Tao River basin, nos. 12100, 12101. Eastern Tibet: Radja and Yellow River gorges, no. 13950.

Iris spec.

Southwestern Kansu: Tao River basin, nos. 12138, 12851.

ORCHIDACEAE

Determined by C. SCHWEINFURTH

Cypripedium luteum Franch.

Southwestern Kansu: Upper Tebbu country, no. 12536.

Cypripedium nutans Schlecht.

Southwestern Kansu: Upper Tebbu country, no. 12499.

Cypripedium tibeticum King.

Southwestern Kansu: Upper Tebbu country, no. 12521. Eastern Tibet: Radja and Yellow River gorges, nos. 13989, 14165.

Aceratorchis tschiliensis Schlechter

Eastern Tibet: Radja and Yellow River gorges, no. 14190.

Orchis chusua D. Don.

Central Kansu: no. 12735. Southwestern Kansu: Tao River basin, no. 12833; Upper Tebbu country, no. 13115.

Orchis salina Turcz.

Eastern Tibet: Radja and Yellow River gorges, no. 13978; Ba Valley, nos. 14251, 14356.

Orchis spathulata Reichb.

Central Kansu: no. 12713.

Amitostigma monanthum (Finet) Schlechter

Southwestern Kansu: Tao River basin, no. 12622.

Herminium tanguticum Rolfe

Central Kansu: no. 12736.

Habenaria conopsea Benth.

Southwestern Kansu: Tao River basin, no. 12944; Upper Tebbu country, no. 13120.

Habenaria cucullata (L.) Hoefft

Southwestern Kansu: Lower Tebbu country, no. 14700.

Habenaria spiranthiformis Ames & Schlechter

Eastern Tibet: Radja and Yellow River gorges, no. 14210.

***Amnesia longibracteata** Schweinfurth in Jour. Arnold Arb. x. 172 (1929).

Central Kansu: no. 13216 (holotype).

***Oreorchis Rockii** Schweinfurth in Jour. Arnold Arb. x. 173 (1929).

Central Kansu: no. 12744 (holotype).

MORACEAE

Humulus lupulus L.

Southwestern Kansu: Tao River basin, nos. 13207, 13716; Lower Tebbu country, no. 14753.

URTICACEAE

Urtica dioica L.

Eastern Tibet: Radja and Yellow River gorges, no. 14024.

POLYGONACEAE

Rheum acuminatum Hook. f. & Thoms.

Central Kansu: no. 12673.

Rheum palmatum L.

Eastern Tibet: Radja and Yellow River gorges, nos. 14071, 14167; Jupar Range, no. 14313.

Rheum palmatum L. floribus rubris

Southwestern Kansu: Tao River basin, no. 12844. Eastern Tibet: Radja and Yellow River gorges, no. 13982.

Rheum pumilum Maxim.

Southwestern Kansu: Tao River basin, no. 12409b. Eastern Tibet: Radja and Yellow River gorges, nos. 14038, 14173.

Rheum spiciforme Royle

Eastern Tibet: Jupar Range, no. 14330.

Polygonum Hookeri Meisn.

Southwestern Kansu: Tao River basin, nos. 12409a, 12604. East-

ern Tibet: alpine region between Radja and Jupar ranges, nos. 14221, 14376.

Polygonum sphaerostachyum Meisn. var.

Eastern Tibet: Jupar Range, no. 14335.

CHENOPODIACEAE

Eurotia ceratoides C. A. Mey.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14545.

CARYOPHYLLACEAE

Arenaria kansuensis Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13043. Eastern Tibet: alpine region between Radja and Jupar ranges, nos. 14149, 14222.

Arenaria melanandra (Maxim.) Mattfeld apud Handel-Mazzetti, Symb. Sin. VII. 202 (1929).

Eastern Tibet: alpine region between Radja and Jupar ranges, nos. 14157, 14379.

Arenaria Przewalskii Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13082. Eastern Tibet: Amnyi Machen range, no. 14431; grasslands between Labrang and Yellow River, no. 14508.

Arenaria spec.

Southwestern Kansu: Upper Tebbu country, no. 13083.

Silene Fortunei Vis.

Southwestern Kansu: Lower Tebbu country, no. 14745.

Silene repens Patrin

Southwestern Kansu: Tao River basin, no. 12865.

Silene tenuis Willd.

Eastern Tibet: Radja and Yellow River gorges, no. 14209.

Melandryum apetalum (L.) Fenzl

Eastern Tibet: grasslands between Labrang and Yellow River, nos. 14476, 14500.

Melandryum apetalum (L.) Fenzl forma

Central Kansu: no. 12737.

Melandryum glandulosum F. N. Williams

Eastern Tibet: Radja and Yellow River gorges, no. 14121.

Gypsophila Gmelini Bge.

Central Kansu: no. 13236.

Dianthus chinensis L.

Southwestern Kansu: Tao River basin, nos. 13209, 14650. Central Kansu: no. 12752.

Dianthus superbus L.

Central Kansu: no. 12686. Southwestern Kansu: Tao River basin, nos. 12892, 13155. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14540.

RANUNCULACEAE

Paeonia anomala L.

Southwestern Kansu: Tao River basin, nos. 12260, 12276, 12456, 13593.

Paeonia Veitchii Lynch

Southwestern Kansu: Tao River basin, nos. 12235, 13127.

Caltha palustris L.

Southwestern Kansu: Tao River basin, no. 12229.

***Caltha scaposa** Hook. f. & Thoms. var. **Smithii** Ulbrich in Notizbl. Bot. Gard. Mus. Berlin, x. 864 (1929).

Southwestern Kansu: Tao River basin, no. 12317 (syntype).

Trollius pumilus D. Don

Southwestern Kansu: Tao River basin, nos. 12354, 12606, 14623; Upper Tebbu country, no. 13002. Central Kansu: no. 12697. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14220.

***Trollius pumilus** D. Don var. **alpinus** Ulbrich in Notizbl. Bot. Gard. Mus. Berlin, x. 865 (1929).

Eastern Tibet: Radja and Yellow River gorges, nos. 13976, 13988, 14050 (syntypes).

Helleborus thibetanus Franch.

Southern Kansu: no. 12059.

Paraquilegia anemonoides (Willd.) Ulbr.

Southwestern Kansu: Tao River basin, nos. 12393, 12629, 12812; Upper Tebbu country, nos. 12494, 12514. Eastern Tibet: Radja and Yellow River gorges, nos. 13973, 14067, 14068, 14069.

***Urophysa Rockii** Ullbrich, n. gen. & sp., in Notizbl. Bot. Gard. Mus. Berlin, x. 869 (1929).

Western Szechuan: no. 12015 (holotype).

Souliea vaginata (Maxim.) Franch.

Southwestern Kansu: Tao River basin, nos. 12304, 12412.

Actaea spicata L. var. **erythrocarpa** Ledeb.

Southwestern Kansu: Lower Tebbu country, no. 14849.

Aquilegia ecalcarata Maxim.

Southwestern Kansu: Tao River basin, nos. 12206, 12439, 12945.

Aquilegia oxysepala Trautv. & Mey.

Southwestern Kansu: Tao River basin, no. 12887.

Delphinium albocoeruleum Maxim.

Southwestern Kansu: Tao River basin, no. 13194. Eastern Tibet: grasslands between Labrang and Yellow River, nos. 14459, 14467, 14501, 14542, 14543.

Delphinium coelestinum Franch.

Southwestern Kansu: Tao River basin, no. 14625.

Delphinium densiflorum Duthie

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14493.

Delphinium Forrestii Diels

Southwestern Kansu: Tao River basin, no. 13740. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14535.

Delphinium grandiflorum L.

Southwestern Kansu: Tao River basin, no. 13178; Upper Tebbu country, no. 14594.

Delphinium Henryi Franch.

Southwestern Kansu: Tao River basin, nos. 13154, 13193. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14547.

***Delphinium labrangense** Ulbrich, spec. nov. ined.

Eastern Tibet: grasslands between Labrang and Yellow River, nos. 14482, 14483, 14504, 14513.

Delphinium Maximowiczii Franch.

Southwestern Kansu: Upper Tebbu country, nos. 13086, 13093, 14644.

Delphinium Pylzowi Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13024; Tao River basin, no. 13185.

Delphinium Souliei Franch.

Southwestern Kansu: Upper Tebbu country, no. 13092. Eastern Tibet: Kokonor region, no. 13398; grasslands between Labrang and Yellow River, nos. 14460, 14502, 14518, 14523.

Delphinium sparsiflorum Maxim.

Southwestern Kansu: Tao River basin, no. 13191.

Delphinium tanguticum Huth

Southwestern Kansu: Upper Tebbu country, nos. 13023 (in part), 13041, 13088; Tao River basin, no. 14641.

Delphinium tatsienense Franch.

Eastern Tibet: Kokonor region, no. 13361; grasslands between Labrang and Yellow River, no. 14538. Southwestern Kansu: Tao River basin, nos. 13136, 13730.

Delphinium tongolense Franch.

Southwestern Kansu: Tao River basin, no. 13161; Upper Tebbu country, nos. 13109, 13111.

Aconitum Anthora L.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14494. Southwestern Kansu: Lower Tebbu country, no. 14677.

Aconitum Anthora L. var. **anthoroideum** (Rehb.) Regel

Southwestern Kansu: Tao River basin, nos. 13182, 13710, 13722, 13735, 14620; Upper Tebbu country, no. 13000. Eastern Tibet: Kokonor region, no. 13363.

Aconitum gymnandrum Maxim.

Southwestern Kansu: Tao River basin, nos. 12183, 12242, 12285, 12351, 12877.

Aconitum laeve Royle

Central Kansu: no. 12739. Southwestern Kansu: Upper Tebbu country, no. 13079; Tao River basin, 13162. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14541.

Aconitum Napellus L. var. **semigaleatum** Pall.

Southwestern Kansu: Tao River basin, no. 13721.

Aconitum rotundifolium K. & K. var. **tanguticum** Maxim.

Southwestern Kansu: Tao River basin, nos. 14621, 14643; Upper Tebbu country, nos. 13023 (in part), 13039, 13050. Central Kansu: no. 12694. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14515; Amnyi Machen range, no. 14440.

Aconitum volubile Pall.

Southwestern Kansu: Tao River basin, nos. 13205, 13743; Lower Tebbu country, no. 14692.

Aconitum volubile Pall. var. **flexuosum** (Rehb.) Rap.

Southwestern Kansu: Tao River basin, nos. 14615, 14860.

Aconitum volubile Pall. var.

Southwestern Kansu: Tao River basin, no. 14649.

Anemone demissa Hook. f. & Thoms.

Southwestern Kansu: Tao River basin, nos. 12596, 12838.

Anemone imbricata Maxim.

Eastern Tibet: Radja and Yellow River gorges, nos. 14049, 14146; alpine region between Radja and Jupar ranges, no. 14231; Jupar Range, no. 14371; Amnyi Machen range, no. 14421.

Anemone japonica (Thunb.) S. & Z. var. **tomentosa** Maxim.

Central Kansu: no. 12766.

Anemone narcissiflora L.

Southwestern Kansu: Upper Tebbu country, no. 13625.

Anemone rivularis Buch.-Ham.

Southwestern Kansu: Tao River basin, no. 12357. Eastern Tibet: Radja and Yellow River gorges, no. 14128.

***Anemone Rockii** Ulbrich in Notizbl. Bot. Gard. Mus. Berlin, x. 877 (1929).

Southwestern Kansu: Tao River basin, nos. 12408a, 12487 (syn-types); Upper Tebbu country, nos. 12520, 13061, 13626 (syn-types).

Anemone rupestris Wall.

Southwestern Kansu: Tao River basin, no. 12254. Eastern Tibet: Radja and Yellow River gorges, nos. 13992, 14017, 14103, 14105, 14196.

Anemone vitifolia Buch.-Ham. var. **tomentosa** Maxim.

Southwestern Kansu: Tao River basin, no. 13213; Upper Tebbu country, no. 14609.

Pulsatilla ambigua Turcz.

Southwestern Kansu: Tao River basin, no. 12182.

Pulsatilla spec.

Eastern Tibet: Radja and Yellow River gorges, no. 14048.

Oxygraphis glacialis Bge.

Southwestern Kansu: Tao River basin, no. 12390. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14099.

Ranunculus acris L.

Southwestern Kansu: Tao River basin, no. 12566.

Ranunculus affinis R. Br.

Southwestern Kansu: Tao River basin, no. 12280. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14405.

Ranunculus affinis R. Br. var. **flabellatus** Franch.

Southwestern Kansu: Tao River basin, no. 12160.

Ranunculus affinis R. Br. var. **tangutica** Maxim.

Southwestern Kansu: Tao River basin, no. 12446.

Ranunculus Flammula L.

Southwestern Kansu: Tao River basin, no. 12282.

Ranunculus japonicus Thunb.

Southwestern Kansu: Tao River basin, no. 12908.

Ranunculus pulchellus C. A. Mey.

Southwestern Kansu: Tao River basin, no. 12281. Eastern Tibet: Radja and Yellow River gorges, no. 13991.

Ranunculus pulchellus C. A. Mey. var. **sericeus** Hook. f. & Thoms.

Eastern Tibet: Radja and Yellow River gorges, no. 14197.

Ranunculus yunnanensis Franch.

Southwestern Kansu: Tao River basin, no. 12342.

Thalictrum alpinum L.

Southwestern Kansu: Tao River basin, no. 12248.

Thalictrum baicalense Turcz.

Southwestern Kansu: Tao River basin, no. 12862.

Thalictrum javanicum Bl.

Southwestern Kansu: Tao River basin, no. 12835. Eastern Tibet: Ba Valley, no. 14271.

Thalictrum Przewalskii Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13054.

BERBERIDACEAE

Podophyllum emodi Wall.

Southwestern Kansu: Tao River basin, nos. 12259, 12350, 12424, 14901.

Epimedium brevicornu Maxim.

Western Szechuan: no. 12016.

Epimedium pubescens Maxim.

Southwestern Kansu: Tao River basin, no. 12302.

Leontice robusta B. Fedtsch.

Southwestern Kansu: Lower Tebbu country, no. 14716.

PAPAVERACEAE

Hypecoum erectum L. var. **lactiflorum** (Kar. & Kir.) Maxim.

Southwestern Kansu: Tao River basin, no. 12272.

Dicranostigma spec.

Southwestern Kansu: Tao River basin, no. 13144.

Macleaya microcarpa (Maxim.) Fedde

Southwestern Kansu: Lower Tebbu country, nos. 14655, 14690.

Bocconia spec.

Southwestern Kansu: Lower Tebbu country, no. 15095.

Meconopsis integrifolia Franch.

Southwestern Kansu: Tao River basin, nos. 12416, 13651; Upper Tebbu country, no. 13073. Eastern Tibet: Radja and Yellow River gorges, nos. 13996, 14086.

Meconopsis psilonomma Farrer

Southwestern Kansu: Tao River basin, no. 12613; Upper Tebbu country, no. 13632.

Meconopsis punicea Maxim.

Southwestern Kansu: Tao River basin, nos. 12195, 12423, 12840, 12942; Upper Tebbu country, nos. 13053, 13642. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14506.

Meconopsis quintuplinervia Regel

Southwestern Kansu: Tao River basin, nos. 12360, 12608, 12611, 13620; Upper Tebbu country, no. 13046. Central Kansu: 12700, 12742. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14462; alpine region between Radja and Jupar ranges, nos. 14144, 14224; Jupar Range, no. 14309.

Meconopsis racemosa Maxim.

Southwestern Kansu: Tao River basin, nos. 12621, 12625, 13160; Upper Tebbu country, nos. 12537, 13009, 13627. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14377; Jupar Range, no. 14339; Amnyi Machen range, no. 14434.

Meconopsis spec.

Southwestern Kansu: Upper Tebbu country, no. 13077. Eastern Tibet: Amnyi Machen range, no. 14430.

Corydalis adunca Maxim.

Eastern Tibet: Radja and Yellow River gorges, no. 14046.

Corydalis curviflora Maxim.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14092.

Corydalis curviflora Maxim. var. **cytisiflora** Fedde

Southwestern Kansu: Upper Tebbu country, no. 12503.

Corydalis curviflora Maxim. var. **pseudo-Smithii** Fedde

Southwestern Kansu: Tao River basin, no. 12576.

Corydalis curviflora Maxim. var. **Smithii** Fedde

Southwestern Kansu: Tao River basin, no. 12414.

Corydalis dasyptera Maxim.

Southwestern Kansu: Tao River basin, nos. 12387, 12602; Upper Tebbu country, no. 13007. Eastern Tibet: Radja and Yellow River gorges, no. 14189; alpine region between Radja and Jupar ranges, no. 14237; Jupar Range, nos. 14311, 14312, 14336.

Corydalis glycyphyllos Fedde

Eastern Tibet: alpine region between Radja and Jupar ranges, nos. 14374, 14375.

Corydalis linarioides Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13018.

Corydalis melanochlora Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13021. Eastern Tibet: Jupar Range, no. 14329.

Corydalis Rheinbabeniana Fedde

Southwestern Kansu: Upper Tebbu country, no. 13003. Eastern Tibet: Amnyi Machen range, no. 14419.

Corydalis scaberula Maxim.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14226.

Corydalis straminea Maxim.

Southwestern Kansu: Tao River basin, nos. 12178, 12462, 13138.

Corydalis stricta Steph.

Eastern Tibet: Radja and Yellow River gorges, nos. 14019, 14114, 14184.

Corydalis trachycarpa Maxim.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14155.

Corydalis spec.

Eastern Tibet: Radja and Yellow River gorges, no. 14047.

CRUCIFERAE

Megacarpaea Delavayi Franch.

Southwestern Kansu: Upper Tebbu country, no. 13087.

***Megacarpaea Delavayi** Franchet var. **grandiflora** O. E. Schulz in Notizbl. Bot. Gard. Mus. Berlin, x. 557 (1929).

Southwestern Kansu: Tao River basin, no. 12597 (holotype).

Dilophia fontana Maxim.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14398.

Dilophia macrosperma O. E. Schulz

Eastern Tibet: Amnyi Machen range, no. 14414.

Cochlearia scapiflora Hook. f. & Thoms.

Eastern Tibet: alpine region between Radja and Jupar ranges, nos. 14236, 14396.

Eutrema compactum O. E. Schulz

Eastern Tibet: Jupar Range, no. 14340.

Eruca sativa Lam. var. **lativalvis** (Boiss.) Coss.

Southwestern Kansu: Tao River basin, no. 12179.

Brassica juncea (L.) Coss.

Eastern Tibet: Radja and Yellow River gorges, no. 14180.

Cardamine macrophylla Willd.

Eastern Tibet: Radja and Yellow River gorges, nos. 14025, 14066.

Cardamine macrophylla Willd. ssp. **polyphylla** (Don) O. E. Schulz in Notizbl. Bot. Gard. Mus. Berlin, ix. 1071 (1927).

Southwestern Kansu: Upper Tebbu country, no. 12508.

Cardamine tangutorum O. E. Schulz

Southwestern Kansu: Tao River basin, no. 12318.

***Draba lanceolata** Royle var. **latifolia** O. E. Schulz in Notizbl. Bot. Gard. Mus. Berlin, x. 555 (1929).

Eastern Tibet: Radja and Yellow River gorges, no. 14134 (holotype).

Draba lanceolata Royle var. **leiocarpa** O. E. Schulz in Notizbl. Bot. Gard. Mus. Berlin, ix. 1077 (1929).

Southwestern Kansu: Upper Tebbu country, no. 12491. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14223; Radja and Yellow River gorges, no. 14130.

Draba lichiangensis W. W. Sm.

Eastern Tibet: Jupar Range, no. 14369.

Draba oreades Schrenk proles **chinensis** O. E. Schulz in Engler, Pflanzenr. iv.-105 (Heft 89) 109 (1927).

Southwestern Kansu: Tao River basin, no. 12388.

Draba oreades Schrenk var. **commutata** (Reg.) O. E. Schulz in Engler, Pflanzenr. iv.-105 (Heft 89) 109 (1927).

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14228.

Draba oreades Schrenk var. **racemosa** O. E. Schulz in Engler, Pflanzenr. iv.-105 (Heft 89) 109 (1927).

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14091.

Draba oreades Schrenk var. **Tafelii** O. E. Schulz in Engler, Pflanzenr. iv.-105 (Heft 89) 108 (1927).

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14142.

***Draba Rockii** O. E. Schulz in Notizbl. Bot. Gard. Mus. Berlin, x. 555 (1929).

Southwestern Kansu: Tao River basin, no. 12405 (holotype).

Arabis alaschanica Maxim.

Southwestern Kansu: Upper Tebbu country, nos. 12490, 12515.

Cheiranthus roseus Maxim.

Eastern Tibet: Jupar Range, no. 14409.

***Cheiranthus roseus** Maxim. f. **caespitosus** O. E. Schulz, msc.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14096.

***Cheiranthus roseus** Maxim. f. **elatior** O. E. Schulz, msc.

Eastern Tibet: Jupar Range, no. 14345.

Malcolmia africana (L.) R. Br.

Eastern Tibet: Radja and Yellow River gorges, no. 14133.

Torularia humilis (C. A. Mey.) O. E. Schulz

Southwestern Kansu: Tao River basin, no. 12243. Eastern Tibet: Radja and Yellow River gorges, no. 14131.

Torularia humilis (C. A. Mey.) O. E. Schulz prol. **Piasezkii** (Maxim.) O. E. Schulz

Southwestern Kansu: Tao River basin, no. 12269.

Torularia humilis f. **grandiflora** O. E. Schulz

Southwestern Kansu: Tao River basin, no. 12171.

Dontostemon glandulosus (Kar. & Kir.) O. E. Schulz in Notizbl. Bot. Gard. Mus. Berlin, x. 554 (1929).

Arabis glandulosa Kar. & Kir.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14399.

Parrya villosa Maxim.

Eastern Tibet: Radja and Yellow River gorges, nos. 14051, 14088.

***Parrya villosa** Maxim. var. **albiflora** O. E. Schulz in Notizbl. Bot. Gard. Mus. Berlin, x. 557 (1929).

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14392 (holotype).

CRASSULACEAE

Sedum Aizoon L.

Southwestern Kansu: Tao River basin, no. 12914.

Sedum Aizoon L. var. **scabrum** Maxim.

Southwestern Kansu: Tao River basin, no. 12355.

Sedum algidum Ledeb.

Southwestern Kansu: Tao River basin, no. 14153.

Sedum algidum Ledeb. var. **tanguticum** Maxim.

Eastern Tibet: Jupar Range, nos. 14346, 14365.

Sedum Henryi Diels forma **gracilis** (♂)

Southwestern Kansu: Tao River basin, no. 12839.

Sedum Kirilowi Regel

Eastern Tibet: Radja and Yellow River gorges, no. 14174.

***Sedum progressum** Diels in Notizbl. Bot. Gard. Mus. Berlin, x. 887 (1930).

Southwestern Kansu: Tao River basin, no. 12849 (holotype).

Sedum Purdomii W. W. Sm.

Central Kansu: no. 12705.

Sedum quadrifidum Pall.

Eastern Tibet: Radja and Yellow River gorges, no. 13981.

Sedum venustum Praeger

Southwestern Kansu: Upper Tebbu country, no. 12516. Eastern Tibet: Radja and Yellow River gorges, no. 14042.

Sedum spec.

Western Kansu: no. 13259.

SAXIFRAGACEAE

Saxifraga confertifolia Engl. & Irmsch.

Southwestern Kansu: Upper Tebbu country, no. 13027.

Saxifraga diversifolia Wall. var. **Soulieana** Engl. & Irmsch.

Eastern Tibet: Kokonor region, no. 13356. Southwestern Kansu: Upper Tebbu country, no. 14585.

Saxifraga diversifolia Wall. var.

Southwestern Kansu: Tao River basin, no. 14642.

Saxifraga flagrans H. Smith var. **platyphylla** H. Smith.

Southwestern Kansu: Tao River basin, nos. 12196, 12817.

Saxifraga Giraldiana Engl.

Southwestern Kansu: Upper Tebbu country, no. 13051.

***Saxifraga kansuensis** Mattfeld in Notizbl. Bot. Gard. Mus. Berlin, x. 887 (1930).

Southwestern Kansu: Tao River basin, no. 12624 (syntype); Upper Tebbu country, no. 12525 (syntype).

Saxifraga lumpuensis Engl.

Central Kansu: no. 12743. Southwestern Kansu: Tao River basin, no. 12832.

Saxifraga melanocentra Franch. f. **Franchetiana** Engl. & Irmsch.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14158.

Saxifraga melanocentra Franch. var. **pluriflora** Engl. & Irmsch.

Eastern Tibet: Amnyi Machen range, no. 14441.

Saxifraga melanocentra Franch. var.

Southwestern Kansu: Upper Tebbu country, no. 13042.

Saxifraga montana H. Smith var. **splendens** H. Smith

Southwestern Kansu: Tao River basin, no. 14613.

Saxifraga Przewalskii Engl.

Southwestern Kansu: Upper Tebbu country, no. 13017. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14232; Jupar Range, no. 14327.

Saxifraga pseudo-hirculus Engl.

Southwestern Kansu: Upper Tebbu country, no. 13089. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14527.

Saxifraga tangutica Engl.

Southwestern Kansu: Upper Tebbu country, no. 12510. Eastern Tibet: Radja and Yellow River gorges, no. 14169.

Saxifraga unguiculata Engl.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14514.

Tiarella polyphylla D. Don

Central Kansu: no. 12679.

Chrysosplenium nudicaule Bge.

Eastern Tibet: Jupar Range, no. 14334.

Chrysosplenium sphaerospermum Maxim.

Southwestern Kansu: Tao River basin, no. 12097.

Parnassia Delavayi Franch.

Central Kansu: no. 12790.

Parnassia setchuenensis Franch.

Southwestern Kansu: Tao River basin, no. 13157; Upper Tebbu country, no. 14589.

ROSACEAE

Aruncus sylvester Kostel.

Southwestern Kansu: Tao River basin, no. 12815.

Fragaria elatior Ehrb.

Eastern Tibet: Radja and Yellow River gorges, no. 14036.

Potentilla Anserina L.

Southwestern Kansu: Tao River basin, no. 12180. Eastern Tibet: Radja and Yellow River gorges, no. 14022; grasslands between Labrang and Yellow River, no. 14532.

Potentilla biflora Willd.

Southwestern Kansu: Upper Tebbu country, no. 13006.

Potentilla bifurca L.

Southwestern Kansu: Tao River basin, no. 12223. Eastern Tibet: Kokonor region, no. 13351.

Potentilla multicaulis Bge.

Eastern Tibet: Radja and Yellow River gorges, no. 14176.

Potentilla Potaninii Th. Wolf

Southwestern Kansu: Tao River basin, no. 12859.

Potentilla Salesoviana Steph.

Northwestern Kansu: no. 13321. Eastern Tibet: Ba Valley, no. 14280.

Potentilla Saundersiana Royle

Eastern Tibet: alpine region between Radja and Jupar ranges, nos. 14150, 14378, 14391.

Potentilla sericea L.

Southwestern Kansu: Tao River basin, no. 12857.

Potentilla spec.

Southwestern Kansu: Tao River basin, no. 12911. Eastern Tibet: Radja and Yellow River gorges, no. 14175; grasslands between Labrang and Yellow River, no. 14486.

Coluria longifolia Maxim.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14141.

Sanguisorba canadensis L.

Central Kansu: no. 12777. Southwestern Kansu: Tao River basin, no. 13204.

Sanguisorba officinalis L.

Central Kansu: no. 12778.

LEGUMINOSAE

Sophora alopecuroides L.

Northwestern Kansu: no. 13317.

Thermopsis alpina Ledeb.

Southwestern Kansu: Tao River basin, no. 12155. Eastern Tibet:
Radja and Yellow River gorges, no. 14055.

Thermopsis lanceolata R. Br.

Southwestern Kansu: Tao River basin, no. 12338. Eastern Tibet:
Radja and Yellow River gorges, no. 13919.

Medicago ruthenica Trautv.

Southwestern Kansu: Tao River basin, no. 12924.

Gueldenstaedtia diversifolia Maxim.

Eastern Tibet: Radja and Yellow River gorges, no. 14123.

Astragalus melilotoides Pall.

Southwestern Kansu: Tao River basin, nos. 12896, 12901.

Astragalus monadelphus Bge.

Southwestern Kansu: Tao River basin, no. 12958.

Astragalus skythropus Bge.

Eastern Tibet: alpine region between Radja and Jupar ranges, nos.
14151, 14394; Jupar Range, no. 14315.

Astragalus tanguticus Batal.

Eastern Tibet: Radja and Yellow River gorges, no. 14182; Ba
Valley, no. 14269.

Astragalus spec. aff. *A. subumbellatus* Klotzsch

Eastern Tibet: Radja and Yellow River gorges, no. 14004; Ba Valley,
no. 14253.

Astragalus spec.

Southwestern Kansu: Tao River basin, nos. 12084, 12092, 12098,
12220, 12221, 12284, 12327, 12447, 12628, 12802, 12925, 12926,
12953, 13146; Upper Tebbu country, no. 13045. Central Kansu:
nos. 12704, 12718. Western Kansu: no. 13254. Eastern Tibet:
Kokonor region, nos. 13375, 13382; grasslands between Labrang
and Yellow River, no. 14490; alpine region between Radja and
Jupar ranges, nos. 14148, 14163, 14233, 14243, 14381; Ba Valley,
nos. 14249, 14250, 14254, 14256, 14257, 14258, 14286, 14361;
Jupar Range, nos. 14343, 14370.

Oxytropis spec.

Southwestern Kansu: Upper Tebbu country, no. 13065.

Hedysarum esculentum Ledeb.

Southwestern Kansu: Tao River basin, no. 13142; Upper Tebbu
country, no. 14607.

Hedysarum obscurum L.

Eastern Tibet: Radja and Yellow River gorges, no. 14171; alpine
region between Radja and Jupar ranges, no. 14382.

Hedysarum pseudastragalus Ulbrich

Eastern Tibet: Amnyi Machen range, no. 14423.

Hedysarum spec.

Southwestern Kansu: Tao River basin, no. 12623; Upper Tebbu country, nos. 13010, 13063. Central Kansu: no. 12675. Eastern Tibet: Jupar Range, no. 14347.

Vicia amoena Ledeb. var. **elliptica** Freyn

Southwestern Kansu: Tao River basin, no. 12922.

Vicia cracca L.

Southwestern Kansu: Tao River basin, no. 12959.

Vicia unijuga A. Br.

Southwestern Kansu: Tao River basin, no. 12583.

Vicia unijuga A. Br. var.

Southwestern Kansu: Upper Tebbu country, no. 13064.

Lathyrus pratensis L.

Southwestern Kansu: Tao River basin, no. 12585.

GERANIACEAE

Geranium eriostemon Fisch.

Southwestern Kansu: Tao River basin, nos. 12225, 12575, 12920.

Geranium Pylzowianum Maxim.

Southwestern Kansu: Tao River basin, nos. 12450, 12582, 12825, 12918. Eastern Tibet: Radja and Yellow River gorges, no. 14212.

Geranium spec. aff. *G. pratense* L.

Southwestern Kansu: Tao River basin, no. 12855. Eastern Tibet: Radja and Yellow River gorges, no. 14216; Ba Valley, no. 14360.

Erodium Stephanianum Willd.

Eastern Tibet: Radja and Yellow River gorges, no. 14205.

Biebersteinia heterostemon Maxim.

Southwestern Kansu: Tao River basin, no. 12904.

LINACEAE

Linum nutans Maxim.

Southwestern Kansu: Tao River basin, no. 12170.

ZYGOPHYLLACEAE

Peganum Harmala L.

Central Kansu: no. 13229. Eastern Tibet: Jupar Range, no. 14317.

Zygophyllum mucronatum Maxim.

Central Kansu: no. 13241.

Tribulus terrestris L.

Northwestern Kansu: no. 13397.

POLYGALACEAE

Polygala sibirica L.

Eastern Tibet: Radja and Yellow River gorges, no. 14204.

EUPHORBIACEAE

Euphorbia spec.

Eastern Tibet: Radja and Yellow River gorges, no. 13941.

GUTTIFERAE

Hypericum Przewalskii Maxim.

Southwestern Kansu: Tao River basin, no. 12875, 12909. Eastern Tibet: Radja and Yellow River gorges, no. 14213.

Hypericum spec.

Central Kansu: no. 12772.

TAMARICACEAE

Hololachne songarica Ehrenb.

Central Kansu: no. 13235.

VIOLACEAE

Viola biflora L.

Southwestern Kansu: Upper Tebbu country, no. 12493. Eastern Tibet: Radja and Yellow River gorges, nos. 14015, 14084.

Viola bulbosa Maxim.

Eastern Tibet: Radja and Yellow River gorges, no. 14029.

Viola mongolica Franch. var. *flor. carneis*

Eastern Tibet: Radja and Yellow River gorges, no. 13966.

THYMELAEACEAE

Stellera Chamaejasme L.

Southwestern Kansu: Tao River basin, nos. 12238, 12286. Eastern Tibet: Radja and Yellow River gorges, no. 14020.

Stellera Chamaejasme L. fl. albo

Eastern Tibet: Radja and Yellow River gorges, no. 14199.

OENOTHERACEAE

Epilobium angustifolium L.

Central Kansu: no. 12755. Southwestern Kansu: Tao River basin, no. 12954.

UMBELLIFERAE

Determined by C. NORMAN

Bupleurum longeradiatum Turcz.

Central Kansu: no. 12769.

Bupleurum spec.¹

Eastern Tibet: Radja and Yellow River gorges, no. 14211.

¹Perhaps this specimen represents *B. microcephalum* Diels. However, the specimen at hand is without true leaves, hence it cannot be determined with certainty.

Pleurospermum Candollii C. B. Clarke¹

Central Kansu: no. 12703.

Pleurospermum cnidiifolium Wolff in Act. Hort. Gothob. II. 292 (1926).

Eastern Tibet: Kokonor region, no. 13359.

***Pleurospermum Dielsianum** Fedde & Wolff in Fedde, Rep. Spec. Nov. XXVII. 121 (1929).

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14466 (syntype).

Pleurospermum Franchetianum Hemsley in Hooker, Icon. XXIII. 2244 (1894).**Pleurospermum Rockii* Fedde & Wolff in Fedde, Rep. Spec. Nov. XXVII. 120 (1929).—**Synon. nov.****Pleurospermum Pilgerianum* Fedde & Wolff in Fedde, Rep. Spec. Nov. XXVII. 121 (1929).—**Synon. nov.**Southwestern Kansu: Tao River basin, no. 12227 (holotype of *P. Rockii* Fedde & Wolff), no. 12614 (holotype of *P. Pilgerianum* Fedde & Wolff).**Pleurospermum linearilobum** W. W. Smith in Notes Bot. Gard. Edinb. VIII. 342 (1915).²**Pleurospermum Dielsianum* Fedde & Wolff in Fedde, Rep. Spec. Nov. XXVII. 121 (1929), as to no. 14178.Eastern Tibet: Radja and Yellow River gorges, no. 14178 (syntype of *P. Dielsianum* Fedde & Wolff).***Pleurospermum pseudo-involucratum** Wolff in Fedde, Rep. Spec. Nov. XXVII. 119 (1929).³

Southwestern Kansu: Upper Tebbu country, no. 12496 (holotype).

Pleurospermum thalictrifolium Wolff in Act. Hort. Gothob. II. 297 (1926).

Eastern Tibet: Jupar Range, no. 14372; Amnyi Machen range, no. 14432.

Pleurospermum spec. aff. *P. Candollii* C. B. Clarke

Eastern Tibet: Jupar Range, no. 14307 (incomplete material).

Carum carvi L.

¹This determination is given with some hesitation as the specimen for study is very young. However, it agrees in all essentials with the other material examined. The involucels are shorter than those of the Indian specimens, which may be due to the immature condition of the specimens. It is a widely dispersed species having been recorded from Kashmir, Kumaon, Tian shan and Nepal. It is doubtful if it has been recorded before as far east as Kansu.

²The specimen no. 14178 is cited in the original description of *P. Dielsianum* Fedde & Wolff as identical with no. 14466. No. 14466 is rather fragmentary and is referred here to *P. Dielsianum*; it does not seem to be the same plant as no. 14178, which is undoubtedly *P. linearilobum* W. W. Sm.

³Wolff was in doubt whether this specimen should be described under *Pleurospermum* or *Ligusticum*, but the doubt lies rather between *Pleurospermum* and *Trachydium*. The final decision will depend on more ample material.

Southwestern Kansu: Tao River basin, no. 12449. Eastern Tibet: Radja and Yellow River gorges, no. 14117; Ba Valley, no. 14255.

Tongoloa elata Wolff in Act. Hort. Gothob. II. 291 (1925).

Southwestern Kansu: Upper Tebbu country, no. 14629.

Ligusticum Pilgerianum Wolff in Fedde, Rep. Spec. Nov. XXVII. 307 (1930).

Central Kansu: no. 12724.

Ligusticum sinense Oliver in Hooker, Icon. xx. 1958 (1891).

**Ligusticum Pilgerianum* Fedde in Fedde, Rep. Spec. Nov. XXVII. 322 (1930), non Wolff (p. 307).

Southwestern Kansu: Upper Tebbu country, no. 14590 (syntype of *L. Pilgerianum* Fedde).

***Ligusticum Weberbauerianum** Fedde & Wolff in Fedde, Rep. Spec. Nov. XXVII. 312 (1930).

Central Kansu: no. 12727 (holotype).

Heracleum millefolium Diels

Southwestern Kansu: Tao River basin, no. 12222. Eastern Tibet: Radja and Yellow River gorges, no. 14207; grasslands between Labrang and Yellow River, no. 14491.

***Heracleum millefolium** Diels var. **longilobum** Norman, var. nov.¹

A typo differt foliorum segmentis ultimis longioribus acutioribusque, et ovarii indumento densiore.

Central Kansu. Lien hoa shan: among rocks between Tao Chow and Titao, alt. 3450 m., no. 12734 (type), July 1925 (plant white, woolly; flowers, carmine); among rocks between Tao-chow and Titao, alt. 3050 m., no. 12674, July 1925 (plant rosette-like; flowers pinkish lavender).

PYROLACEAE

Pyrola rotundifolia L.

Central Kansu: no. 12745.

PRIMULACEAE

Primula L.

Determined by W. W. SMITH

Primula aerinantha Balf. f. & Purdom

Central Kansu: nos. 12676, 12711.

Primula alsophila Balf. f. & Farrer

Southwestern Kansu: Tao River basin, no. 12819.

Primula chionantha Balf. f. & Forrest

Southwestern Kansu: Tao River basin, no. 12392; Upper Tebbu country, no. 13631.

¹Dr. Diels, to whom part of this specimen was submitted, intimated that he considered it "at least a variety or an allied species."

- Primula chionantha** Balf. f. & Forrest (farinose form)
Southwestern Kansu: Tao River basin, nos. 12345, 12375.
- Primula chionantha** Balf. f. & Forrest var.
Southwestern Kansu: Tao River basin, no. 12470.
- Primula chionantha** Balf. f. & Forrest forma
Southwestern Kansu: Tao River basin, nos. 13656, 14920.
- Primula conspersa** Balf. f. & Purdom
Southwestern Kansu: Tao River basin, nos. 12451 (in part), 12563, 12381, 12874. Central Kansu: no. 12683.
- Primula flava** Maxim.
Southwestern Kansu: Tao River basin, no. 12363; Upper Tebbu country, nos. 12492, 13639. Eastern Tibet: Radja and Yellow River gorges, nos. 13965, 14043, 14120; grasslands between Labrang and Yellow River, no. 13914.
- Primula gemmifera** Batal.
Southwestern Kansu: Tao River basin, nos. 12451 (in part), 12818, 13159, 14624; Upper Tebbu country, nos. 13004, 13029. Eastern Tibet: Radja and Yellow River gorges, no. 13993.
- Primula graminifolia** Pax & Hoffm.
Southwestern Kansu: Tao River basin, nos. 12384, 12404; Upper Tebbu country, no. 13014.
- Primula limbata** Balf. f. & Forrest
Southwestern Kansu: Tao River basin, nos. 12381, 12408, 13654; Upper Tebbu country, no. 13066. Eastern Tibet: Radja and Yellow River gorges, no. 14064.
- Primula longipetiolata** Pax & Hoffm. vel aff.
Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14227.
- Primula moupinensis** Franch.
Southern Kansu: nos. 12043, 12069.
- Primula optata** Farrer apud I. B. Balf.
Southwestern Kansu: Upper Tebbu country, no. 13633. Eastern Tibet: alpine region between Radja and Jupar ranges, nos. 14097, 14145, 14147, 14385.
- Primula optata** Farrer apud I. B. Balf. forma
Eastern Tibet: Amnyi Machen range, no. 14424.
- Primula polyneura** Franch.
Southwestern Kansu: Tao River basin, nos. 12251, 12316, 12438, 13652.
- Primula pumilio** Maxim.
Southwestern Kansu: Tao River basin, no. 12406.
- Primula Purdomii** Craib

Southwestern Kansu: Tao River basin, nos. 12346, 12383, 12403.

Eastern Tibet: Radja and Yellow River gorges, no. 14089.

Primula reginella Balf. f.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14238.

Primula reginella Balf. f. (dwarf form)

Eastern Tibet: grasslands between Labrang and Yellow River, no. 13907.

Primula sibirica Jacq.

Southwestern Kansu: Tao River basin, nos. 12277, 12313. Eastern Tibet: Radja and Yellow River gorges, no. 13994; Ba Valley, no. 14276.

Primula sikkimensis Hook. f.

Eastern Tibet: Radja and Yellow River gorges, no. 14166; Amnyi Machen range, no. 14437.

Primula stenocalyx Maxim.

Southwestern Kansu: Tao River basin, nos. 12091, 12109, 12307, 12421, 12488; Upper Tebbu country, no. 12523. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14470.

Primula stenocalyx Maxim. (farinose form)

Southwestern Kansu: Tao River basin, nos. 12361, 12402. Central Kansu: no. 12733.

Primula tangutica Duthie

Southwestern Kansu: Tao River basin, nos. 12253, 12261, 12612, 13619, 13655; Upper Tebbu country, no. 12512. Eastern Tibet: Radja and Yellow River gorges, nos. 14008, 14065; Jupar Range, no. 14310.

Primula Woodwardii Balf. f.

Southwestern Kansu: Tao River basin, nos. 12653, 12656, 12837, 13658. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14234.

Primula spec.

Southwestern Kansu: Tao River basin, no. 12407.

Androsace L.

Determined by H. HANDEL-MAZZETTI

Androsace Mariae Kan. var. **tibetica** (Maxim.) Handel-Mazzetti in Act. Hort. Gothob. II. 114 (1926).

Southwestern Kansu: Tao River basin, nos. 12094, 12133, 12308, 12619. Eastern Tibet: Radja and Yellow River gorges, nos. 13902, 13940, 14083; Ba Valley, no. 14261.

Androsace tapete Maxim.

Southwestern Kansu: Tao River basin, no. 12650. Central Kansu: no. 12741.

Androsace yargongensis Petitmengin

Southwestern Kansu: Upper Tebbu country, no. 13040.

Cortusa Matthioli L.

Central Kansu: no. 12720.

Glaux maritima L.

Southwestern Kansu: Tao River basin, no. 12245. Eastern Tibet: Radja and Yellow River gorges, no. 14135.

PLUMBAGINACEAE

Statice bicolor Bge.

Central Kansu: no. 12758.

GENTIANACEAE

Gentiana L.

Determined by C. V. B. MARQUAND

Gentiana algida Pall. forma

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14510.

Gentiana dahurica Fisch.

Eastern Tibet: Kokonor region, no. 13368; grasslands between Labrang and Yellow River, no. 14531.

Gentiana Farreri Balf. f.

Southwestern Kansu: Tao River basin, no. 14886; Lower Tebbu country, no. 14862.

Gentiana Futtereri Diels & Gilg

Eastern Tibet: Kokonor region, nos. 13360, 13399.

Gentiana gracilipes Turrill

Southwestern Kansu: Tao River basin, nos. 13175, 13719.

Gentiana hexaphylla Maxim.

Southwestern Kansu: Tao River basin, no. 13713.

Gentiana hexaphylla Maxim. var. **caudata** Marquand in Kew Bull. Misc. Inform. 1931, p. 81.

Southwestern Kansu: Tao River basin, no. 13736.

Gentiana leucomelaena Maxim.

Southwestern Kansu: Tao River basin, no. 12309. Eastern Tibet: Ba Valley, no. 14277.

Gentiana Przewalskii Maxim.

Southwestern Kansu: Tao River basin, nos. 13720, 13734, 14645; Upper Tebbu country, no. 13011.

Gentiana quinquenervia Turrill

Southwestern Kansu: Tao River basin, no. 13179.

Gentiana riparia Kar. & Kir.

Eastern Tibet: Radja and Yellow River gorges, no. 14021.

Gentiana siphonantha Maxim.

Eastern Tibet: Kokonor region, no. 13364; grasslands between Labrang and Yellow River, no. 14499 (partly browsed).

Gentiana spathulifolia Kusnez.

Southwestern Kansu: Upper Tebbu country, no. 14606.

Gentiana straminea Maxim.

Eastern Tibet: Kokonor region, no. 13380.

Gentiana straminea Maxim. forma (leaves wider than the type).

Southwestern Kansu: Tao River basin, no. 13715.

Gentiana striata Maxim.

Southwestern Kansu: Lower Tebbu country, no. 14863.

Gentiana Szechenyii Kanitz (forma plicis longioribus).

Southwestern Kansu: Lower Tebbu country, no. 14861.

Gentiana tetraphylla Kusnez.

Southwestern Kansu: Tao River basin, no. 14638.

Gentianella (§ *Crossopetalum*) spec.

Eastern Tibet: Radja and Yellow River gorges, no. 14218; Ba Valley, no. 14247. Southwestern Kansu: Tao River basin, no. 12353; Upper Tebbu country, nos. 13031, 14597; Tao River basin, no. 13709. Central Kansu: no. 12691.

Gentianella spec.

Eastern Tibet: Kokonor region, nos. 13347, 13388; grasslands between Labrang and Yellow River, no. 14497.

Swertia spec.

Eastern Tibet: Kokonor region, no. 13350, 13358. Southwestern Kansu: Tao River basin, nos. 13707, 13708, 14619.

ASCLEPIADACEAE

Cynanchum inamoenum (Maxim.) Loes.

Southwestern Kansu: Tao River basin, no. 12226. Central Kansu: no. 13230.

CONVOLVULACEAE

Convolvulus Ammannii Desr.

Central Kansu: no. 13233. Eastern Tibet: Ba Valley, no. 14358.

Convolvulus arvensis L. var. **sagittifolius** Fisch.

Eastern Tibet: Radja and Yellow River gorges, no. 14200; Ba Valley, no. 14359.

POLEMONIACEAE

Polemonium coeruleum L. ssp. **vulgare** (Ledeb.) Brand

Southwestern Kansu: Tao River basin, nos. 12574, 12848, 12919.

BORAGINACEAE

Determined by I. M. JOHNSTON

Lappula Redowskii (Horn.) Greene

Southwestern Kansu: Tao River basin, no. 12358.

Eritrichium strictum Dcne.

Eastern Tibet: Radja and Yellow River gorges, no. 14203.

Lithospermum officinale L.

Southwestern Kansu: Tao River basin, no. 12356.

- ***Microula Rockii** Johnston in Contrib. Gray Herb. LXXXI. 82 (1928).

Anoplocaryum Rockii (Johnst.) Brand in Fedde, Rep. Spec. Nov. xxvi. 170 (1929).

Southwestern Kansu: Tao River basin, no. 12605 (paratype). Eastern Tibet: grasslands between Labrang and Yellow River, no. 14511 (holotype); alpine region between Radja and Jupar ranges, no. 14384 (paratype).

Microula sikkimensis (Clarke) Hemsley

Southwestern Kansu: Tao River basin, nos. 12250, 12347. Eastern Tibet: Radja and Yellow River gorges, no. 14026; Ba Valley, no. 14275.

Microula tangutica Maxim.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14397; grasslands between Labrang and Yellow River, nos. 14469, 14509.

Myosotis alpestris F. W. Schmidt var.

Southwestern Kansu: Tao River basin, nos. 12386, 13005.

LABIATAE

Ajuga calantha Diels

Southwestern Kansu: Tao River basin, nos. 12214, 12455, 12610, 12636, 12806.

- ***Ajuga calantha** Diels f. **albiflora** Diels, msc.

Central Kansu: no. 12787.

Ajuga lupulina Maxim.

Southwestern Kansu: Tao River basin, no. 12321. Eastern Tibet: Radja and Yellow River gorges, no. 14129; Jupar Range, no. 14373.

Scutellaria amoena C. H. Wright

Southwestern Kansu: Tao River basin, nos. 12564, 13198.

- ***Scutellaria scordiifolia** Fisch. f. **pubescens** Diels, msc.

Southwestern Kansu: Tao River basin, no. 12900.

- ***Scutellaria Rehderiana** Diels in Notizbl. Bot. Gard. Mus. Berlin, x. 889 (1930).

Southwestern Kansu: Tao River basin, no. 12827 (holotype).

Marrubium incisum Benth.

Eastern Tibet: Radja and Yellow River gorges, no. 14194.

Nepeta coerulescens Maxim. f. **major** Diels, msc.

Eastern Tibet: Radja and Yellow River gorges, no. 14119.

Nepeta macrantha Fisch.

Southwestern Kansu: Tao River basin, nos. 12891, 12905, 12963;
Upper Tebbu country, no. 14628.

Dracocephalum heterophyllum Benth.

Southwestern Kansu: Tao River basin, no. 12894. Central Kansu:
nos. 12768, 13247. Western Kansu: no. 13251. Eastern Tibet:
Kokonor region, no. 13353; Radja and Yellow River gorges, no.
14198.

Dracocephalum imberbe Bge.

Southwestern Kansu: Tao River basin, nos. 12593, 12871. Central
Kansu: no. 12767.

Dracocephalum tanguticum Maxim.

Southwestern Kansu: Tao River basin, nos. 12860, 12866. Western
Kansu: nos. 13249, 13260.

Phlomis rotata Benth.

Eastern Tibet: Radja and Yellow River gorges, no. 14172; alpine
region between Radja and Jupar ranges, no. 14406.

Phlomis umbrosa Turcz.

Central Kansu: no. 12791. Southwestern Kansu: Upper Tebbu
country, no. 14576.

Galeopsis Tetrahit L.

Southwestern Kansu: Tao River basin, no. 13153.

Stachys baicalensis Fisch.

Central Kansu: no. 12665. Eastern Tibet: Radja and Yellow River
gorges, no. 14181.

Salvia Prattri Hemsl.

Eastern Tibet: Amnyi Machen range, no. 14426.

Salvia Przewalskii Maxim.

Southwestern Kansu: Tao River basin, no. 12579.

Salvia Roborowskii Maxim.

Southwestern Kansu: Tao River basin, no. 12184.

***Thymus Serpyllum** L. ssp. **mongolicus** Ronniger in Notizbl. Bot.
Gard. Mus. Berlin, x. 890 (1930).

Southwestern Kansu: Tao River basin, no. 12927 (syntype). Cen-
tral Kansu: no. 12664. Eastern Tibet: grasslands between La-
brang and Yellow River, no. 14539 (syntype).

Elsholtzia densa Benth.

Southwestern Kansu: Tao River basin, no. 13150.

SOLANACEAE

Anisodus spec.

Southwestern Kansu: Tao River basin, no. 12337.

Solanum septemlobum Bge.

Eastern Tibet: Ba Valley, no. 14273.

SCROPHULARIACEAE

Scrophularia incisa Weinm.

Eastern Tibet: Radja and Yellow River gorges, no. 14137; Ba Valley, no. 14245.

Scrofella chinensis Maxim.

Southwestern Kansu: Tao River basin, nos. 13152, 13733. Central Kansu: no. 12690.

Mimulus nepalensis Benth.

Southwestern Kansu: Tao River basin, no. 12947.

Veronica ciliata Fisch.

Southwestern Kansu: Upper Tebbu country, no. 14600.

Lagotis brachystachya Maxim.

Southwestern Kansu: Tao River basin, no. 12130. Eastern Tibet: Radja and Yellow River gorges, no. 13951.

Lagotis brevituba Maxim.

Eastern Tibet: Jupar Range, no. 14332.

Lagotis glauca Gaertn.

Southwestern Kansu: Tao River basin, no. 12391. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14098.

Euphrasia hirtella Jord.

Southwestern Kansu: Tao River basin, no. 12246.

Euphrasia tatarica Fisch.

Central Kansu: no. 12788.

Pedicularis alaschanica Maxim.

Southwestern Kansu: Tao River basin, nos. 12459, 12568. Eastern Tibet: Kokonor region, no. 13374.

Pedicularis anas Maxim. var.

Southwestern Kansu: Upper Tebbu country, no. 13035.

Pedicularis armata Maxim.

Southwestern Kansu: Tao River basin, nos. 12880, 13148; Upper Tebbu country, no. 13091.

Pedicularis cheilanthifolia Schrenk

Southwestern Kansu: Tao River basin, no. 12312. Eastern Tibet: grasslands between Labrang and Yellow River, nos. 14465, 14526; Ba Valley, no. 14272.

Pedicularis cheilanthifolia Schrenk var. *isochila* Maxim.

Southwestern Kansu: Tao River basin, nos. 12247, 12278. Eastern Tibet: Radja and Yellow River gorges, no. 14202.

***Pedicularis chenocephala** Diels in Notizbl. Bot. Gard. Mus. Berlin, x. 892 (1930).

Southwestern Kansu: Tao River basin, no. 12607 (holotype).

Pedicularis chenocephala Diels forma

Eastern Tibet: Amnyi Machen range, no. 14435.

Pedicularis chinensis Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13101. Eastern Tibet: Kokonor region, no. 13355.

Pedicularis cranolopha Maxim.

Eastern Tibet: Radja and Yellow River gorges, no. 14186.

Pedicularis cranolopha Maxim. var. **longicornuta** Prain

Southwestern Kansu: Tao River basin, no. 12928.

Pedicularis cristata Maxim.

Southwestern Kansu: Tao River basin, nos. 12828, 12879, 12910.

Pedicularis Davidi Franch.

Southwestern Kansu: Tao River basin, nos. 12448, 12906; Upper Tebbu country, no. 13032.

***Pedicularis decorissima** Diels in Notizbl. Bot. Gard. Mus. Berlin, x. 891 (1930).

Eastern Tibet: grasslands between Labrang and Yellow River, nos. 14546 (holotype), 14537 (paratype).

Pedicularis ingens Maxim.

Eastern Tibet: Radja and Yellow River gorges, no. 14217; grasslands between Labrang and Yellow River, no. 14481.

Pedicularis kansuensis Maxim.

Southwestern Kansu: Tao River basin, nos. 12287, 12794. Eastern Tibet: Radja and Yellow River gorges, nos. 14118, 14208; Ba Valley, no. 14270.

Pedicularis labellata Jacq.

Southwestern Kansu: Upper Tebbu country, no. 13098; Tao River basin, no. 13164. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14403.

Pedicularis lasiophrys Maxim.

Eastern Tibet: Amnyi Machen range, no. 14439; grasslands between Labrang and Yellow River, no. 14525.

Pedicularis lasiophrys Maxim. var. **sinica** Maxim.

Southwestern Kansu: Tao River basin, no. 12850.

Pedicularis longiflora Rudolphi

Eastern Tibet: Ba Valley, no. 14354.

Pedicularis macrosiphon Franch.

Southwestern Kansu: Tao River basin, no. 12293.

Pedicularis muscicola Maxim.

Eastern Tibet: Ba Valley, no. 14279.

Pedicularis pilostachya Maxim.

Eastern Tibet: Jupar Range, no. 14331.

Pedicularis Przewalskii Maxim.

Eastern Tibet: Amnyi Machen range, no. 14438.

Pedicularis recurva Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13097.

Pedicularis rudis Maxim.

Southwestern Kansu: Tao River basin, no. 12868; Upper Tebbu country, no. 13104.

Pedicularis scolopax Maxim. flor. majoribus

Eastern Tibet: Radja and Yellow River gorges, no. 14132.

Pedicularis semitorta Maxim.

Southwestern Kansu: Tao River basin, nos. 12268, 12795. Central Kansu: no. 12696. Eastern Tibet: Radja and Yellow River gorges, nos. 14127, 14215; grasslands between Labrang and Yellow River, no. 14548.

***Pedicularis striata** Pall. var. **poliocalyx** Diels in Notizbl. Bot. Gard. Mus. Berlin, x. 892 (1930).

Southwestern Kansu: Tao River basin, nos. 12798 (holotype), 12916 (paratype).

Pedicularis szetschuanica Maxim.

Southwestern Kansu: Tao River basin, nos. 12244, 12620. Eastern Tibet: Radja and Yellow River gorges, no. 14191; alpine region between Radja and Jupar ranges, no. 14161; Ba Valley, nos. 14252, 14274; Amnyi Machen range, no. 14416; grasslands between Labrang and Yellow River, no. 14503.

Pedicularis szetschuanica Maxim. var. **longispica** Bon.

Southwestern Kansu: Tao River basin, no. 12643. Eastern Tibet: Radja and Yellow River gorges, no. 14192; Amnyi Machen range, no. 14415.

Pedicularis torta Maxim.

Southwestern Kansu: Tao River basin, nos. 12615, 12923.

Pedicularis tristis L. var. **macrantha** Maxim.

Southwestern Kansu: Tao River basin, no. 12637. Central Kansu: no. 12702. Eastern Tibet: Amnyi Machen range, no. 14422.

Pedicularis versicolor Wahlenb.

Southwestern Kansu: Tao River basin, nos. 12413, 12601, 12642; Upper Tebbu country, no. 13124. Eastern Tibet: Radja and Yellow River gorges, no. 13990; alpine region between Radja and Jupar ranges, nos. 14094, 14235, 14395.

Pedicularis spec. aff. *P. plicata* Maxim.

Central Kansu: no. 12784.

Pedicularis spec.

Southwestern Kansu: Tao River basin, no. 12255.

Pedicularis (*Bidentatae*) spec.

Southwestern Kansu: Upper Tebbu country, no. 12529.

Pedicularis (*Longirostres*) spec.

Central Kansu: no. 12689.

BIGNONIACEAE

Incarvillea compacta Maxim.

Southwestern Kansu: Tao River basin, no. 13653. Northwestern Kansu: no. 13301. Eastern Tibet: Radja and Yellow River gorges, nos. 13974, 14087.

Incarvillea principis Bur. & Franch.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14401.

Incarvillea sinensis Lam.

Central Kansu: no. 13245.

OROBANCHACEAE

Xylanche himalaica Beck

Southwestern Kansu: Upper Tebbu country, no. 13123.

LENTIBULARIACEAE

Pinguicula alpina L.

Southwestern Kansu: Upper Tebbu country, no. 12535; Tao River basin, no. 12644.

RUBIACEAE

Asperula odorata L.

Southwestern Kansu: Tao River basin, no. 12570.

Galium boreale L.

Southwestern Kansu: Tao River basin, no. 12559.

Galium verum L.

Southwestern Kansu: Tao River basin, no. 12591.

Galium spec.

Southwestern Kansu: Tao River basin, no. 12580. Eastern Tibet: Radja and Yellow River gorges, no. 14195.

CAPRIFOLIACEAE

Triosteum pinnatifidum Maxim.

Southwestern Kansu: Tao River basin, no. 12216; Upper Tebbu country, no. 12509.

VALERIANACEAE

Valeriana pseudodioica Pax & K. Hoffm.

Southwestern Kansu: Tao River basin, no. 12218.

Valeriana tangutica Batal.

Central Kansu: nos. 12712, 12716. Eastern Tibet: Kokonor region, no. 13348; Radja and Yellow River gorges, nos. 13980, 14122.

Valeriana spec.

Southwestern Kansu: Upper Tebbu country, no. 14595.

Nardostachys Jatamansi DC.

Eastern Tibet: Radja and Yellow River gorges, no. 14168; grasslands between Labrang and Yellow River, no. 14484.

DIPSACACEAE

Morina betonicoides Benth.

Southwestern Kansu: Tao River basin, nos. 12617, 14611; Upper Tebbu country, no. 13119. Eastern Tibet: Radja and Yellow River gorges, no. 14170.

Morina chinensis (Batal.) Diels apud Limpricht in Fedde, Rep. Spec. Nov. Beih. XII. 497 (Bot. Reise Hochgeb. Chinas & Ost-Tibets) (1922).

Southwestern Kansu: Tao River basin, nos. 12556, 12952. Eastern Tibet: Radja and Yellow River gorges, no. 14187.

CAMPANULACEAE

Adenophora liliifolioides Pax & K. Hoffm.

Southwestern Kansu: Tao River basin, no. 13151.

Adenophora Potanini Korsh.

Southwestern Kansu: Tao River basin, no. 13140. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14544.

Adenophora Smithii Nannfeldt in Act. Hort. Gothob. v. 21 (1929).

Southwestern Kansu: Tao River basin, no. 12929. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14551.

Adenophora spec. aff. *A. gracilis* Nannfeldt in Act. Hort. Gothob. v. 17 (1929).

Southwestern Kansu: Tao River basin, no. 13149.

Adenophora spec. aff. *A. marsupiiiflora* Fisch.

Central Kansu: no. 12688.

Adenophora spec. aff. *A. Potanini* Korsh.

Western Kansu: no. 13250.

Codonopsis ovata Benth.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14522.

Codonopsis viridiflora Maxim.

Central Kansu: no. 12738. Southwestern Kansu: Upper Tebbu country, no. 13125.

Cyananthus Hookeri C. B. Clarke var. **hispidus** Franch.

Southwestern Kansu: Tao River basin, no. 13725.

COMPOSITAE

Aster Bowerii Hemsl.

Eastern Tibet: Kokonor region, no. 13352; grasslands between Labrang and Yellow River, no. 14487.

Aster flaccidus Bge.

Southwestern Kansu: Upper Tebbu country, no. 13008, 13019. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14230.

Aster Fordii Hemsl.

Southwestern Kansu: Upper Tebbu country, no. 14627

Aster Heterochaeta Benth.

Southwestern Kansu: Tao River basin, nos. 12202, 12252, 12489, 12830. Eastern Tibet: Radja and Yellow River gorges, nos. 13985, 14109.

Aster hispidus Thunb.

Southwestern Kansu: Tao River basin, no. 13706. Western Kansu: no. 13255.

Aster tongolensis Franch.

Southwestern Kansu: Tao River basin, no. 12842. Eastern Tibet: Ba Valley, no. 14285.

Aster trinervius Roxb.

Southwestern Kansu: Tao River basin, no. 13668; Upper Tebbu country, no. 14631.

Aster Vilmorini Franch.

Southwestern Kansu: Tao River basin, nos. 12801, 12950, 14612; Upper Tebbu country, no. 13099. Central Kansu: no. 12684. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14533.

Aster spec.

Southwestern Kansu: Tao River basin, no. 12569. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14447.

Erigeron acris L.

Southwestern Kansu: Upper Tebbu country, no. 14601. Central Kansu: no. 12779.

Leontopodium R. Br.

Determined by H. HANDEL-MAZZETTI

Leontopodium calocephalum (Franch.) Beauvd.

Southwestern Kansu: Upper Tebbu country, no. 13033.

- Leontopodium Dedekensii** (Bur. & Franch.) Beauvd.
Southwestern Kansu: Tao River basin, no. 13147. Eastern Tibet:
Radja and Yellow River gorges, no. 14206.
- Leontopodium haplophyloides** Hand.-Mazz.
Western Kansu: nos. 13390, 13394. Eastern Tibet: grasslands be-
tween Labrang and Yellow River, no. 14550.
- Leontopodium Jacotianum** Beauvd.
Central Kansu: no. 12714.
- Leontopodium linearifolium** Hand.-Mazz.
Southwestern Kansu: Upper Tebbu country, no. 13016; Lower
Tebbu country, no. 14726. Eastern Tibet: Kokonor region, nos.
13373, 13392; grasslands between Labrang and Yellow River,
nos. 14445, 14448, 14461, 14475, 14489, 14492, 14534; alpine
region between Radja and Jupar ranges, nos. 14152, 14239, 14242;
Jupar Range, no. 14333; Amnyi Machen range, no. 14417.
- Leontopodium linearifolium** Hand.-Mazz. ad *L. Souliei* Beauvd.
Eastern Tibet: Amnyi Machen range, no. 14418.
- Leontopodium nanum** (Hook. f. & Thoms.) Handel-Mazzetti in
Beih. Bot. Centralbl. XLIV. Abt. 2, 111 (1927).
Southwestern Kansu: Tao River basin, no. 12134.
- Leontopodium Smithianum** Hand.-Mazz. (*L. conglobatum* × *L.*
leontopodioides)
Southwestern Kansu: Tao River basin, nos. 12239, 12565, 12902.
- Anaphalis Hancockii** Maxim.
Southwestern Kansu: Tao River basin, no. 12240.
- Anaphalis lactea** Maxim.
Southwestern Kansu: Tao River basin, nos. 12882, 12899.
- Anaphalis margaritacea** (L.) Benth. & Hook.
Central Kansu: no. 12780. Southwestern Kansu: Tao River basin,
no. 13158.
- Anaphalis** spec.
Southwestern Kansu: Tao River basin, no. 13724.
- Inula ammophila** Bge.
Central Kansu: no. 13234.
- Carpesium Lipskyi** C. Winkl.
Southwestern Kansu: Upper Tebbu country, no. 14605.
- Achillea Ptarmica** L.
Southwestern Kansu: Tao River basin, no. 13667. Central Kansu:
no. 12774.
- Chrysanthemum fruticulosum** Ledeb.
Western Kansu: no. 13258.
- Chrysanthemum indicum** L.
Southwestern Kansu: Tao River basin, no. 13705.

Chrysanthemum tatsienense Bur. & Franch.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14512.

Tanacetum tenuifolium Jacq.

Southwestern Kansu: Tao River basin, no. 13727; Upper Tebbu country, no. 14598. Eastern Tibet: Kokonor region, no. 13362.

Artemisia biennis Willd.

Eastern Tibet: Kokonor region, no. 13384.

Artemisia laciniata Willd.

Western Kansu: no. 13248.

Artemisia salsoloides Willd.

Eastern Tibet: Kokonor region, no. 13385.

Artemisia Sieversiana Willd.

Southwestern Kansu: Tao River basin, no. 12913.

Artemisia spec.

Southwestern Kansu: Upper Tebbu country, no. 13013.

Stereosanthus Souliei Franch.

Southwestern Kansu: Tao River basin, no. 12854.

Serratula centauroides L.

Southwestern Kansu: Tao River basin, no. 12864; Upper Tebbu country, no. 14610. Central Kansu: no. 12773.

Petasites tricholobus Franch.

Southwestern Kansu: Tao River basin, no. 12082.

Doronicum stenoglossum Maxim.

Southwestern Kansu: Tao River basin, no. 12941; Upper Tebbu country, no. 14599.

Doronicum thibetanum Cavill.

Southwestern Kansu: Tao River basin, nos. 12192, 12389; Upper Tebbu country, no. 13020.

Cacalia deltophylla (Maxim.) Mattfeld, comb. nov.

Senecio deltophylla Maxim.

Southwestern Kansu: Upper Tebbu country, no. 14586.

Cacalia Potanini (C. Winkl.) Mattfeld, comb. nov.

Senecio Potanini C. Winkl.

Southwestern Kansu: Upper Tebbu country, nos. 12998, 12998a.

Cacalia spec.

Southwestern Kansu: Tao River basin, no. 13717; Upper Tebbu country, nos. 13028, 13076, 14603. Central Kansu: no. 12722.

Senecio acerifolius C. Winkl.

Southwestern Kansu: Tao River basin, no. 12946; Upper Tebbu country, no. 14602. Central Kansu: no. 12710.

Senecio argunensis Turcz.

Southwestern Kansu: Tao River basin, nos. 13195, 13669.

Senecio campestris DC.

Southwestern Kansu: Tao River basin, nos. 12320, 12352.

Senecio nemorensis L.

Southwestern Kansu: Lower Tebbu country, no. 14856.

Senecio thianshanicus Reg. & Schmalh.

Eastern Tibet: Kokonor region, no. 13400; Radja and Yellow River gorges, no. 14214; grasslands between Labrang and Yellow River, nos. 14468, 14498.

Senecio spec.

Southwestern Kansu: Tao River basin, nos. 12836, 13139; Upper Tebbu country, nos. 12997, 14573, 14584.

Ligularia altaica DC.

Southwestern Kansu: Tao River basin, nos. 12557, 12633.

Ligularia plantaginifolia (Franch.) Mattfeld, comb. nov.

Senecio plantaginifolia Franch.

Eastern Tibet: Radja and Yellow River gorges, no. 14179; alpine region between Radja and Jupar ranges, no. 14402.

Ligularia Przewalskii Maxim.

Southwestern Kansu: Tao River basin, nos. 12846, 12907.

Ligularia sagitta (Maxim.) Mattfeld, comb. nov.

Senecio sagitta Maxim.

Southwestern Kansu: Tao River basin, nos. 13165, 14616; Upper Tebbu country, nos. 13078, 13117. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14536.

Ligularia sibirica Cass. var. **speciosa** DC.

Southwestern Kansu: Tao River basin, no. 12943; Upper Tebbu country, nos. 13126, 14592.

Ligularia tangutica (Maxim.) Mattfeld, comb. nov.

Senecio tangutica Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13074

Ligularia virgaurea (Maxim.) Mattfeld, comb. nov.

Senecio virgaurea Maxim.

Southwestern Kansu: Upper Tebbu country, nos. 12999, 13038; Tao River basin, nos. 13163, 13181, 14614. Eastern Tibet: grasslands between Labrang and Yellow River, nos. 14521, 14524, 14549.

Ligularia yesoensis Franch. var. **sutchuensis** Franch.

Southwestern Kansu: Lower Tebbu country, nos. 14651, 15038.

Ligularia spec.

Southwestern Kansu: Upper Tebbu country, no. 13110.

Cremanthodium bupleurifolium W. W. Sm.

Southwestern Kansu: Tao River basin, no. 12630. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14507.

Cremanthodium Decaisnei C. B. Clarke

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14464; alpine region between Radja and Jupar ranges, nos. 14159, 14393; Amnyi Machen range, no. 14428.

Cremanthodium discoideum Maxim.

Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14404.

Cremanthodium humile Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13022; Tao River basin, no. 13183.

Cremanthodium Limprichtii Diels

Southwestern Kansu: Tao River basin, no. 12618.

Cremanthodium lineare Maxim.

Eastern Tibet: Kokonor region, no. 13378.

Cremanthodium plantagineum Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13030. Eastern Tibet: grasslands between Labrang and Yellow River, no. 14471; alpine region between Radja and Jupar ranges, nos. 14383, 14387; Ba Valley, no. 14357; Jupar Range, no. 14308.

Cremanthodium spec.

Southwestern Kansu: Upper Tebbu country, nos. 13012, 13049, 13084.

Echinops Turczaninowii Ledeb.

Northwestern Kansu: no. 13396.

Saussurea amara DC.

Southwestern Kansu: Tao River basin, no. 13201.

Saussurea apus Maxim.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14474.

Saussurea arenaria Maxim.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14495.

Saussurea Giraldii Diels

Central Kansu: no. 12717.

Saussurea hypsipeta Diels

Eastern Tibet: Jupar Range, no. 14367; alpine region between Radja and Jupar ranges, no. 14388; Amnyi Machen range, no. 14411.

Saussurea medusa Maxim.

Southwestern Kansu: Tao River basin, no. 12385; Upper Tebbu country, no. 13044. Eastern Tibet: alpine region between Radja and Jupar ranges, no. 14390; Jupar Range, no. 14366; Amnyi Machen range, no. 14429.

Saussurea nigrescens Maxim.

Southwestern Kansu: Upper Tebbu country, no. 13067.

Saussurea phaeantha Maxim.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14516.

Saussurea polystichoides Hook. f.

Southwestern Kansu: Tao River basin, no. 13737.

Saussurea poophylla Diels

Southwestern Kansu: Upper Tebbu country, no. 13001.

Saussurea pygmaea Spreng. var.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14458.

Saussurea stella Maxim.

Eastern Tibet: Kokonor region, nos. 13349, 13379. Southwestern Kansu: Tao River basin, no. 13666.

Saussurea Thoroldi Hemsl.

Eastern Tibet: Kokonor region, nos. 13376, 13377.

Saussurea spec. aff. *S. poophylla* Diels

Central Kansu: no. 12721.

Saussurea spec.

Southwestern Kansu: Tao River basin, nos. 13156, 13180, 13199, 13200, 13739, 14617, 14618; Upper Tebbu country, nos. 13034, 13036, 13121, 14604, 14626; Lower Tebbu country, no. 14817. Central Kansu: nos. 12740, 12771. Northwestern Kansu: 13386. Eastern Tibet: Kokonor region, nos. 13700, 13702; grasslands between Labrang and Yellow River, no. 14485; Jupar Range, nos. 14337, 14368; Amnyi Machen range, nos. 14413, 14425, 14433.

Carduus euosmos Forrest apud W. W. Sm.

Eastern Tibet: Kokonor region, no. 13371. Southwestern Kansu: Upper Tebbu country, no. 14582.

Cirsium arvense Scop.

Eastern Tibet: Amnyi Machen range, no. 14443.

Cirsium setosum Bieb.

Central Kansu: no. 12764. Southwestern Kansu: Tao River basin, no. 13718.

Cirsium Souliei (Franch.) Mattfeld, comb. nov.

Cnicus Souliei Franch.

Eastern Tibet: grasslands between Labrang and Yellow River, no. 14496.

Cirsium spec.

Southwestern Kansu: Upper Tebbu country, no. 13122.

Scorzonera austriaca Willd.

Southwestern Kansu: Tao River basin, no. 12169. Eastern Tibet:
Radja and Yellow River gorges, no. 14104.

Taraxacum mongolicum Hand.-Mazz.

Eastern Tibet: Radja and Yellow River gorges, no. 13979.

Lactuca spec. aff. *L. Souliei* Franch.

Southwestern Kansu: Tao River basin, no. 13729.

Crepis Hookeriana C. B. Clarke

Southwestern Kansu: Tao River basin, no. 12645. Eastern Tibet:
grasslands between Labrang and Yellow River, no. 14517; alpine
region between Radja and Jupar ranges, no. 14386; Amnyi
Machen range, no. 14442.

Crepis paleacea Diels aff.

Southwestern Kansu: Upper Tebbu country, no. 13062.

Crepis rosularis Diels aff.

Southwestern Kansu: Upper Tebbu country, no. 13025.

Crepis spec. aff. *C. trichocarpa* Franch.

Eastern Tibet: grasslands between Labrang and Yellow River, no.
14529.

Prenanthes spec.

Southwestern Kansu: Upper Tebbu country, no. 14591.

LIST OF SEEDS OF LIGNEOUS AND HERBACEOUS PLANTS
COLLECTED IN 1925 AND 1926 BY J. F. ROCK AND
DISTRIBUTED BY THE ARNOLD ARBORETUM

- | | |
|---|--|
| 12131. <i>Pyrus pashia</i> Ham. | 13244. <i>Ampelopsis aconitifolia</i> Bge. |
| 12141. <i>Viburnum fragrans</i> Bge. | var. <i>palmiloba</i> (Carr.) |
| 12193. <i>Lonicera hispida</i> Pall. | Rehd. |
| 12270. <i>Lonicera syringantha</i> | 13256. <i>Berberis Vernae</i> Schneid. |
| Maxim. | 13257. <i>Lycium chinense</i> Mill. |
| 12297. <i>Lonicera syringantha</i> | 13261. <i>Berberis Boschanii</i> Schneid. |
| Maxim. | 13262. <i>Berberis dasystachya</i> |
| 12432. <i>Prunus setulosa</i> Batal. | Maxim. |
| 12475. <i>Lonicera hispida</i> Pall. | 13263. <i>Berberis diaphana</i> Maxim. |
| 12527. <i>Prunus stipulacea</i> Maxim. | 13264. <i>Rosa Sweginzowii</i> Koehne |
| 12532. <i>Lonicera tangutica</i> Maxim. | 13265. <i>Rosa bella</i> Rehd. & Wils. |
| 12797. <i>Berberis parvifolia</i> Sprague | 13266. <i>Rosa Sweginzowii</i> Koehne |
| 12893. <i>Lonicera coerulea</i> L. var. | 13267. <i>Sorbus thianschanica</i> Rupr. |
| <i>edulis</i> Reg. | 13268. <i>Sorbus Koehneana</i> Schneid. |
| 13197. <i>Ribes stenocarpum</i> Maxim. | 13269. <i>Cotoneaster tenuipes</i> Rehd. |
| 13202. <i>Berberis Mouillacana</i> | & Wils. |
| Schneid. | 13270. <i>Hippophoë rhamnoides</i> L. |
| 13225. <i>Prinsepia uniflora</i> Batal. | 13271. <i>Rosa omeiensis</i> Rolfe |
| 13240. <i>Nitraria Schoberi</i> L. | 13272. <i>Berberis diaphana</i> Maxim. |
| 13243. <i>Ailanthus altissima</i> (Mill.) | 13273. <i>Berberis diaphana</i> Maxim. |
| Swingle | 13274. <i>Berberis Boschanii</i> Schneid. |

13275. *Hippophoë rhamnoides* L.
 13276. *Lonicera syringantha*
 Maxim.
 13277. *Clematis tangutica* Korsh.
 var. *obtusiuscula* Rehd.
 & Wils.
 13278. *Rhododendron Przewalskii*
 Maxim.
 13279. *Rhododendron anthopogo-*
 noides Maxim.
 13280. *Caragana brevifolia* Komar.
 13281. *Picea asperata* Mast.
 13282. *Picea asperata* Mast.
 13283. *Betula japonica* Sieb. var.
 Rockii Rehd.
 13285. *Rubus idaeus* L. var.
 strigosus Maxim.
 13286. *Sorbus thianschanica* Rupr.
 13288. *Lonicera nervosa* Maxim.
 13289. *Berberis Vernae* Schneid.
 13290. *Berberis kansuensis* Schneid.
 13291. *Berberis dasystachya*
 Maxim.
 13292. *Berberis kansuensis* Schneid.
 13293. *Rosa bella* Rehd. & Wils.
 13294. *Cotoneaster acutifolia*
 Turcz.
 13295. *Berberis diaphana* Maxim.
 13296. *Cotoneaster multiflora* Bge.
 13297. *Rhamnus leptophylla*
 Schneid. var. *scabrella*
 Rehd.
 13298. *Lonicera syringantha*
 Maxim.
 13299. *Rosa Willmottiae* Hemsl.
 13300. *Berberis Boschanii* Schneid.
 13301. *Incarvillea compacta* Maxim.
 13302. *Rhododendron Przewalskii*
 Maxim.
 13303. *Rhododendron thymifolium*
 Maxim.
 13304. *Picea asperata* Mast.
 13305. *Juniperus zaidamensis*
 Komar.
 13307. *Picea asperata* Mast.
 13308. *Clematis brevicaudata* DC.
 13309. *Picea asperata* Mast.
 13310. *Picea asperata* Mast.
 13311. *Evonymus Przewalskii*
 Maxim.
 13313. *Picea asperata* Mast.
 13314. *Berberis Caroli* Schneid.
 13315. *Berberis Vernae* Schneid.
 13316. *Berberis Boschanii* Schneid.
 13317. *Sophora alopecuroides* L.
 13318. *Sorbus thianschanica* Rupr.
 13319. *Elaeagnus angustifolia* L.
 13320. *Nitraria Schoberi* L.
 13320a. *Zygophyllum xanthoxylum*
 Maxim.
 13321. *Potentilla Salesoviana*
 Steph.
 13322. *Clematis fruticosa* Turcz.
 var. *canescens* Turcz.
 13341. *Picea asperata* Mast.
 13422. *Abies Faxoniana* Rehd. &
 Wils.
 13423. *Abies Faxoniana* Rehd. &
 Wils.
 13424. *Picea purpurea* Mast.
 13425. *Abies Faxoniana* Rehd. &
 Wils.
 13426. *Picea Wilsonii* Mast.
 13427. *Picea purpurea* Mast.
 13428. *Picea asperata* Mast.
 13429. *Abies Faxoniana* Rehd. &
 Wils.
 13430. *Picea purpurea* Mast.
 13431. *Picea asperata* Mast.
 13432. *Juniperus formosana* Hay.
 13433. *Picea asperata* Mast.
 13434. *Picea purpurea* Mast.
 13435. *Abies sutchuenensis*
 (Franch.) Rehd. &
 Wils.
 13436. *Abies Faxoniana* Rehd. &
 Wils.
 13437. *Abies Faxoniana* Rehd. &
 Wils.
 13438. *Picea asperata* Mast.
 13439. *Picea purpurea* Mast.
 13440. *Abies Faxoniana* Rehd. &
 Wils.
 13441. *Picea purpurea* Mast.
 13442. *Picea purpurea* Mast.
 13443. *Picea Wilsonii* Mast.
 13444. *Abies Faxoniana* Rehd. &
 Wils.
 13445. *Abies Faxoniana* Rehd. &
 Wils.

13446. *Picea asperata* Mast.
 13447. *Abies Faxoniana* Rehd. & Wils.
 13448. *Abies Faxoniana* Rehd. & Wils.
 13449. *Pinus tabulaeformis* Carr.
 13450. *Abies sutchuenensis* (Franch.) Rehd. & Wils.
 13451. *Abies sutchuenensis* (Franch.) Rehd. & Wils.
 13452. *Picea Wilsonii* Mast.
 13453. *Picea Wilsonii* Mast.
 13454. *Abies sutchuenensis* (Franch.) Rehd. & Wils.
 13455. *Picea purpurea* Mast.
 13456. *Abies sutchuenensis* (Franch.) Rehd. & Wils.
 13457. *Picea Wilsonii* Mast.
 13458. *Picea purpurea* Mast.
 13459. *Picea asperata* Mast.
 13460. *Picea purpurea* Mast.
 13461. *Pinus tabulaeformis* Carr.
 13462. *Picea purpurea* Mast.
 13463. *Pinus Armandi* Franch.
 13464. *Picea asperata* Mast.
 13465. *Larix Potaninii* Batal.
 13466. *Abies Faxoniana* Rehd. & Wils.
 13467. *Abies sutchuenensis* (Franch.) Rehd. & Wils.
 13468. *Juniperus saltuaria* Rehd. & Wils.
 13469. *Juniperus distans* Florin
 13470. *Juniperus squamata* Buch.-Ham. var. *Fargesii* Rehd. & Wils.
 13471. *Juniperus saltuaria* Rehd. & Wils.
 13472. *Picea purpurea* Mast.
 13473. *Viburnum betulifolium* Batal.
 13474. *Berberis diaphana* Maxim.
 13475. *Cotoneaster adpressa* Bois
 13476. *Viburnum betulifolium* Batal.
 13477. *Sorbus Koehneana* Schneid.
 13478. *Cotoneaster horizontalis* Decne.
 13479. *Sorbus hupehensis* Schneid. var. *aperta* (Koehne) Schneid.
 13480. *Cotoneaster multiflora* Bge. var. *calocarpa* Rehd. & Wils.
 13481. *Aralia chinensis* L. var. *nuda* Nakai
 13482. *Quercus liaotungensis* Koidz.
 13483. *Cornus macrophylla* Wall.
 13484. *Tilia chinensis* Maxim.
 13485. *Virburnum Sargentii* Koehne var. *calvescens* Rehd.
 13486. *Tilia chinensis* Maxim.
 13487. *Quercus liaotungensis* Koidz.
 13488. *Acer Maximowiczii* Pax
 13489. *Acer tetramerum* Pax var. *betulifolium* Rehd.
 13490. *Clematoclethra lasioclada* Maxim.
 13491. *Acanthopanax Giraldii* Harms
 13492. *Viburnum Sargentii* Koehne var. *calvescens* Rehd.
 13493. *Cotoneaster multiflora* Bge. var. *calocarpa* Rehd. & Wils.
 13494. *Sorbus Prattii* Koehne
 13495. *Caragana frutex* K. Koch
 13495a. *Rosa Sweginzowii* Koehne
 13496. *Pyrus pashia* Ham.
 13497. *Malus kansuensis* Schneid.
 13498. *Malus baccata* Borkh.
 13499. *Pyrus ussuriensis* Maxim. var. *ovoidea* Rehd.
 13500. *Crataegus kansuensis* Wils.
 13501. *Crataegus kansuensis* Wils.
 13502. *Malus baccata* Borkh.
 13503. *Celtis Bungeana* Bl.
 13504. *Prinsepia uniflora* Batal.
 13505. *Ribes Giraldii* Jancz.
 13506. *Syringa pekinensis* Rupr.
 13507. *Syringa pekinensis* Rupr.
 13508. *Evonymus phellomana* Loes.
 13509. *Lonicera heteroloba* Batal.

13510. *Daphne Giraldii* Nitsche
 13511. *Corylus Sieboldiana* Bl. var.
 mandshurica Schneid.
 13512. *Lonicera chrysantha* Turcz.
 var. *longipes* Maxim.
 13513. *Ostryopsis Davidiana*
 Decne.
 13514. *Berberis dasystachya*
 Maxim.
 13515. *Viburnum mongolicum*
 (Pall.) Rehd.
 13516. *Lonicera chrysantha* Turcz.
 var. *longipes* Maxim.
 13517. *Cotoneaster multiflora* Bge.
 Maxim.
 13518. *Viburnum glomeratum*
 13519. *Lonicera Ferdinandi* Franch.
 13520. *Lonicera chrysantha* Turcz.
 var. *longipes* Maxim.
 13521. *Evonymus phellomana* Loes.
 13522. *Berberis Silva-Taroucana*
 Schneid.
 13523. *Cotoneaster racemiflora*
 K. Koch var. *soongarica*
 Schneid.
 13524. *Sorbus Koehneana* Schneid.
 13525. *Berberis diaphana* Maxim.
 13526. *Berberis kansuensis* Schneid.
 13527. *Prunus salicina* Lindl.
 13528. *Berberis kansuensis* Schneid.
 13529. *Berberis diaphana* Maxim.
 13530. *Berberis parvifolia* Sprague
 13531. *Daphne tangutica* Maxim.
 13532. *Sorbus tapashana* Schneid.
 13533. *Caragana jubata* Poiret
 13534. *Acanthopanax Giraldii*
 Harms
 13535. *Cotoneaster adpressa* Bois
 13536. *Ribes Meyeri* Maxim.
 13537. *Rosa omeiensis* Rolfe
 13538. *Caragana Maximovicziana*
 Komar.
 13539. *Malus transitoria* (Batal.)
 Schneid.
 13540. *Sorbus Prattii* Koehne
 13541. *Caragana jubata* Poiret
 13542. *Acer tetramerum* Pax var.
 betulifolium Rehd.
 13543. *Malus toringoides* (Rehd.)
 Hughes
 13544. *Malus toringoides* (Rehd.)
 Hughes
 13545. *Berberis brachypoda*
 Maxim.
 13546. *Rubus pileatus* Focke
 13547. *Rosa omeiensis* Rolfe
 13548. *Cotoneaster acutifolia*
 Turcz.
 13549. *Pyrus pashia* Ham.
 13550. *Lonicera syringantha*
 Maxim.
 13551. *Lonicera coerulea* L. var.
 edulis Reg.
 13553. *Rubus idaeus* L. var.
 strigosus Maxim.
 13554. *Evonymus nanoides* Loes. &
 Rehd.
 13555. *Prunus tangutica* (Batal.)
 Koehne
 13556. *Lonicera heteroloba* Batal.
 13557. *Berberis Vernae* Schneid.
 13558. *Pyrus pashia* Ham.
 13559. *Malus toringoides* (Rehd.)
 Hughes
 13560. *Lycium chinense* Mill.
 13561. *Berberis dasystachya*
 Maxim.
 13562. *Caragana brevifolia* Komar.
 13563. *Sorbus Prattii* Koehne
 13564. *Berberis parvifolia* Sprague
 13565. *Malus toringoides* (Rehd.)
 Hughes
 13566. *Sorbus tapashana* Schneid.
 13567. *Caragana jubata* Poiret
 13568. *Malus toringoides* (Rehd.)
 Hughes
 13569. *Evonymus Giraldii* Loes.
 var. *ciliata* Loes.
 13570. *Rosa Sweginzowii* Koehne¹
 13571. *Hippophoë rhamnoides* L.
 13572. *Daphne tangutica* Maxim.
 13573. *Rosa Sweginzowii* Koehne

¹Under this number two sets of seeds were distributed. One set corresponded to the species cited above while the second set proved to be seed of *Prunus Padus* L. var. *commutata* Dipp.

13574. *Berberis diaphana* Maxim.
 13575. *Rosa omeiensis* Rolfe
 13576. *Lonicera deflexicalyx* Batal.
 13577. *Prunus Padus* L. var.
 commutata Dipp.
 13578. *Lonicera chrysantha* Turcz.
 var. *longipes* Maxim.
 13579. *Ribes Meyeri* Maxim.
 13580. *Lonicera tangutica* Maxim.
 var. *glabra* Batal.
 13581. *Rubus amabilis* Focke
 13582. *Lonicera nervosa* Maxim.
 13583. *Lonicera thibetica* Bur. &
 Franch.
 13584. *Lonicera hispida* Pall.
 13585. *Lonicera heteroloba* Batal.
 13586. *Ribes Meyeri* Maxim.
 13587. *Evonymus Przewalskii*
 Maxim.
 13588. *Lonicera deflexicalyx* Batal.
 13589. *Sorbus Koehneana* Schneid.
 13590. *Rosa omeiensis* Rolfe
 13591. *Rosa Willmottiae* Hemsl.
 13592. *Lonicera szechuanica* Batal.
 13593. *Paeonia anomala* L.
 13594. *Spiraea gemmata* Zab.
 13595. *Sibiraea laevigata* Maxim.
 var. *angustata* Rehd.
 13596. *Rhododendron capitatum*
 Maxim.
 13597. *Rhododendron anthropogo-*
 noides Maxim.
 13598. *Rhododendron thymifolium*
 Maxim.
 13599. *Rhododendron rufum* Batal.
 13600. *Rhododendron capitatum*
 Maxim.
 13601. *Rhododendron rufum* Batal.
 13602. *Hydrangea Bretschneideri*
 Dipp.
 13603. *Philadelphus pekinensis*
 Rupr. var. *kansuensis*
 Rehd.
 13604. *Hydrangea Bretschneideri*
 Dipp.
 13605. *Rhododendron capitatum*
 Maxim.
 13606. *Lilium tenuifolium* Fisch. &
 Mey.
 13607. *Acer caudatum* Wall. var.
 multiserratum Rehd.
13608. *Rhamnus leptophylla*
 Schneid. var. *scabrella*
 Rehd.
 13609. *Arctous ruber* Nakai
 13610. *Rhododendron anthropogo-*
 noides Maxim.
 13611. *Rhododendron capitatum*
 Maxim.
 13612. *Rhododendron Przewalskii*
 Maxim.
 13613. *Rhododendron rufum* Batal.
 13614. *Clematis brevicaudata* DC.
 13615. *Clematis tangutica* Korsh.
 var. *obtusiuscula* Rehd. &
 Wils.
 13616. *Betula albo-sinensis* Burk.
 13617. *Buddleia alternifolia*
 Maxim.
 13618. *Lilium Duchartrei* Franch.
 13619. *Primula tangutica* Duthie.
 13620. *Meconopsis quintuplinervia*
 Reg.
 13621. *Betula albo-sinensis* Burk.
 13622. *Rhododendron capitatum*
 Maxim.
 13624. *Clematis Fargesii* Franch.
 13625. *Anemone narcissiflora* L.
 13626. *Anemone Rockii* Ulbrich
 13627. *Meconopsis racemosa*
 Maxim.
 13628. *Rhododendron rufum* Batal.
 13629. *Rhododendron Przewalskii*
 Maxim.
 13630. *Rhododendron rufum* Batal.
 13631. *Primula?* *chionantha* Balf. f.
 & Forrest.
 13632. *Meconopsis psilonomma*
 Farrer
 13633. *Primula?* *optata* Balf. f. &
 Farrer
 13634. *Rhododendron capitatum*
 Maxim.
 13635. *Rhododendron capitatum*
 Maxim.
 13636. *Rhododendron anthropogo-*
 noides Maxim.
 13637. *Iris ensata* Thunb.
 13638. *Caragana densa* Komar.
 13639. *Primula flava* Maxim.
 13640. *Rhododendron rufum* Batal.
 13641. *Betula albo-sinensis* Burk.

13642. *Meconopsis punicea* Maxim.
 13643. *Rhododendron rufum* Batal.
 13644. *Betula japonica* Sieb. var.
 szechuanica Schneid.
 13645. *Rhododendron rufum* Batal.
 13646. *Betula albo-sinensis* Burk.
 13647. *Rhododendron rufum* Batal.
 13648. *Betula albo-sinensis*
 Burk. var. *septentrionalis* Schneid.
 13649. *Rhododendron rufum* Batal.
 13650. *Rhododendron rufum* Batal.
 13651. *Meconopsis integrifolia*
 Franch.
 13652. *Primula polyneura* Franch.
 13653. *Incarvillea compacta*
 Maxim.
 13654. *Primula limbata* Balf. f. &
 Forrest
 13655. *Primula tangutica* Duthie
 13656. *Primula chionantha* Balf. f.
 & Forrest
 13657. *Betula japonica* Sieb. var.
 szechuanica Schneid.
 13658. *Primula* ? *Woodwardii*
 Balf. f.
 13659. *Philadelphus pekinensis*
 Rupr. var. *kansuensis*
 Rehd.
 13670. *Sorbaria arborea* Schneid.
 var. *glabrata* Rehd.
 13671. *Hydrangea Bretschneideri*
 Dipp.
 13672. *Potentilla fruticosa* L. var.
 parvifolia Wolf
 13673. *Potentilla fruticosa* L. var.
 dahurica Ser.
 13674. *Rhododendron capitatum*
 Maxim.
 13675. *Rhododendron rufum* Batal.
 13676. *Rhododendron Przewalskii*
 Maxim.
 13677. *Rhododendron Przewalskii*
 Maxim.
 13678. *Rhododendron rufum* Batal.
 13679. *Rhododendron Przewalskii*
 Maxim.
 13680. *Rhododendron rufum* Batal.
 13681. *Rhododendron Przewalskii*
 Maxim.
 13682. *Rhododendron rufum* Batal.
 13683. *Rhododendron rufum* Batal.
 13684. *Rhododendron rufum* Batal.
 13685. *Rhododendron Przewalskii*
 Maxim.
 13686. *Rhododendron Przewalskii*
 Maxim.
 13687. *Philadelphus pekinensis*
 Rupr. var. *kansuensis*
 Rehd.
 13688. *Rhododendron capitatum*
 Maxim.
 13689. *Spiraea alpina* Pall.
 13690. *Spiraea longigemmis*
 Maxim. (pubescent
 form)
 13691. *Rhododendron rufum* Batal.
 13692. *Rhododendron rufum* Batal.
 13693. *Rhododendron rufum* Batal.
 13694. *Rhododendron Przewalskii*
 Maxim.
 13695. *Rhododendron Przewalskii*
 Maxim.
 13696. *Rhododendron rufum* Batal.
 13697. *Rhododendron rufum* Batal.
 13698. *Syringa microphylla* Diels
 13699. *Picea asperata* Mast.
 13744. *Berberis parvifolia* Sprague
 13918. *Juniperus glaucescens* Florin
 13946. *Juniperus tibetica* Komar.
 13963. *Picea asperata* Mast.
 14564. *Prinsepia uniflora* Batal.
 14570. *Prunus salicina* Lindl.
 14577. *Cotoneaster multiflora* Bge.
 14581. *Rhamnus leptophylla*
 Schneid.
 14662. *Cornus macrophylla* Wall.
 14667. *Meliosma cuneifolia* Franch.
 14673. *Aralia chinensis* L. var.
 nuda Nakai
 14718. *Betula japonica* Sieb. var.
 szechuanica Schneid.
 14734. *Lonicera deflexicalyx* Batal.
 14736. *Lonicera chrysantha* Turcz.
 var. *longipes* Maxim.
 14794. *Lonicera Ferdinandi*
 Franch.
 14801. *Cotoneaster multiflora* Bge.
 14802. *Crataegus kansuensis* Wils.
 f. *aurantiaca* Wils.

14804. *Berberis kansuensis* Schneid.
 14805. *Betula japonica* Sieb. var.
 szechuanica Schneid.
 14806. *Cotoneaster nitens* Rehd. &
 Wils.
 14807. *Pyrus pashia* Ham.
 14810. *Lonicera szechuanica* Batal.
 14816. *Pyrus pashia* Ham.
 14823. *Betula albo-sinensis*
 Burk. var. *septen-*
 trionalis Schneid.
 14825. *Aralia chinensis* L. var.
 nuda Nakai
 14829. *Cotoneaster Zabeli* Schneid.
 14834. *Cotoneaster obscura* Rehd.
 & Wils. var. *cornifolia*
 Rehd. & Wils.
 14857. *Prunus pubigera* Koehne
 var. *Prattii* Koehne
 14860. *Aconitum volubile* Pall. var.
 flexuosus Rchb.
 14864. *Juniperus distans* Florin
 14866. *Acanthopanax Giraldii*
 Harms
 14875. *Juniperus distans* Florin
 14876. *Lonicera nervosa* Maxim.
 14877. *Ribes Vilmorini* Jancz.
 14882. *Rosa Sweginzowii* Koehne
 14883. *Prunus pubigera* Koehne
 var. *Prattii* Koehne
 14888. *Berberis Vernae* Schneid.
 14889. *Prunus tangutica* Koehne
 14890. *Lonicera heteroloba* Batal.
 14891. *Lonicera deflexicalyx*
 Batal.
 14892. *Rosa Willmottiae* Hemsl.
 14893. *Prunus Padus* L. var.
 commutata Dipp.
 14894. *Daphne tangutica* Maxim.
 14895. *Rubus amabilis* Focke
 14896. *Rosa Sweginzowii* Koehne
 14897. *Cotoneaster multiflora* Bge.
 14898. *Berberis Mouillacana*
 Schneid.
 14899. *Berberis kansuensis* Schneid.
 14900. *Rosa omeiensis* Rolfe
 14901. *Podophyllum emodi* Wall.
 14902. *Sorbus Prattii* Koehne
 14903. *Rosa Sweginzowii* Koehne
 14905. *Cotoneaster multiflora* Bge.
14906. *Lonicera Ferdinandi*
 Franch.
 14907. *Rosa Sweginzowii* Koehne
 14908. *Crataegus kansuensis* Wils.
 14909. *Prunus salicina* Lindl.
 14910. *Malus transitoria* Schneid.
 14911. *Berberis parvifolia* Sprague
 14912. *Rosa Willmottiae* Hemsl.
 14913. *Berberis Silva-Taroucana*
 Schneid.
 14914. *Cotoneaster multiflora* Bge.
 14915. *Berberis Vernae* Schneid.
 14916. *Betula japonica* Sieb. var.
 szechuanica Schneid.
 14917. *Crataegus kansuensis* Wils.
 14918. *Malus kansuensis* Schneid.
 14919. *Sorbus Prattii* Koehne
 14920. *Primula ? chionantha* Balf.
 f. & Forrest forma
 14922. *Malus transitoria* Schneid.
 14923. *Malus toringoides* (Rehd.)
 Hughes
 14924. *Pyrus pashia* Ham.
 14925. *Malus kansuensis* ×
 toringoides Rehd.
 14926. *Philadelphus pekinensis*
 Rupr. var. *kansuensis*
 Rehd.
 14927. *Rosa Sweginzowii* Koehne
 14928. *Rhododendron rufum* Batal.
 14929. *Abies Faxoniana* Rehd. &
 Wils.
 14930. *Abies sutchuenensis*
 (Franch.) Rehd. &
 Wils.
 14931. *Abies sutchuenensis*
 (Franch.) Rehd. &
 Wils.
 14933. *Caragana jubata* Poiret
 14938. *Malus kansuensis* Schneid.
 14939. *Crataegus kansuensis* Wils.
 14940. *Quercus Baronii* Skan
 14941. *Quercus liaotungensis*
 Koidz.
 14942. *Quercus Baronii* Skan
 14943. *Berberis Vernae* Schneid.
 14944. *Rosa Willmottiae* Hemsl.
 14945. *Clematoclethra lasioclada*
 Maxim.
 14946. *Acer Maximowiczii* Pax

14947. *Ribes moupinense* Franch.
var. *tripartitum* Jancz.
14948. *Philadelphus pekinensis*
Rupr. var. *kansuensis*
Rehd.
14949. *Acer tetramerum* Pax var.
betulifolium Rehd.
14950. *Quercus Baronii* Skan.
14951. *Juniperus chinensis* L. var.
pendula Franch.
14952. *Juniperus chinensis* L.
14953. *Ribes Giraldii* Jancz.
14954. *Lonicera Ferdinandi*
Franch.
14955. *Evonymus nanoides* Loes. &
Rehd.
14956. *Crataegus kansuensis* Wils.
14957. *Prinsepia uniflora* Batal.
14958. *Sageretia theezans* Brongn.
14959. *Quercus liaotungensis*
Koidz.
14960. *Lonicera Ferdinandi*
Franch.
14964. *Picea Wilsonii* Mast.
14965. *Caragana tangutica* Maxim.
14966. *Betula albo-sinensis*
Burk. var. *septentrionalis* Schneid.
14967. *Quercus liaotungensis*
Koidz.
14968. *Cornus macrophylla* Wall.
14969. *Betula albo-sinensis*
Burk. var. *septentrionalis* Schneid.
14970. *Clematoclethra lasioclada*
Maxim.
14971. *Viburnum betulifolium*
Batal. f. *aurantiacum*
Rehd.
14972. *Cotoneaster adpressa* Bois
14973. *Caragana densa* Komar.
14974. *Quercus liaotungensis*
Koidz.
14975. *Picea Wilsonii* Mast.
14976. *Hydrangea Bretschneideri*
Dipp.
14977. *Lonicera nervosa* Maxim.
14978. *Evonymus alata* Reg. var.
aperta Loes.
14979. *Rubus pileatus* Focke
14980. *Cotoneaster lucida* Schlecht.
14981. *Cotoneaster nitens* Rehd. &
Wils.
14982. *Spiraea Wilsonii* Duthie
14983. *Acanthopanax Giraldii*
Harms
14984. *Acer tetramerum* Pax var.
betulifolium Rehd.
14985. *Clematoclethra integrifolia*
Maxim.
14986. *Viburnum glomeratum*
Maxim.
14987. *Sorbus Koehneana* Schneid.
14988. *Rosa Sweginzowii* Koehne
14989. *Abies Faxoniana* Rehd. &
Wils.
14990. *Sorbus hupehensis* Schneid.
var. *aperta* (Koehne)
Schneid.
14991. *Hippophoë rhamnoides* L.
14992. *Cotoneaster multiflora* Bge.
var. *calocarpa* Rehd. &
Wils.
14993. *Lonicera chrysantha* Turcz.
var. *longipes* Maxim.
14994. *Koelreuteria paniculata*
Laxm.
14995. *Quercus Baronii* Skan
14996. *Exochorda Giraldii* Hesse
14997. *Acer tetramerum* Pax var.
betulifolium Rehd.
14998. *Acer Maximowiczii* Pax
14999. *Tilia chinensis* Maxim.
15000. *Acer pictum* Thbg. var.
parviflorum Schneid.
15001. *Tilia chinensis* Maxim.
15002. *Quercus liaotungensis*
Koidz.
15003. *Viburnum glomeratum*
Maxim. var. *Rockii*
Rehd.
15004. *Rhododendron micranthum*
Turcz.
15005. *Hydrangea Bretschneideri*
Dipp. var. *glabrescens*
Rehd.
15006. *Wikstroemia chamaedaphne*
Meisn.
15007. *Clematis fruticosa* Turcz.
15008. *Clematis aethusifolia* Turcz.

15009. *Abies Faxoniana* Rehd. & Wils.
 15010. *Acer caudatum* Wall. var. *multiserratum* Rehd.
 15011. *Viburnum betulifolium* Batal.
 15012. *Buddleia albiflora* Hemsl.
 15013. *Viburnum betulifolium* Batal.
 15014. *Rhododendron rufum* Batal
 15015. *Clematoclethra lasioclada* Maxim.
 15016. *Hydrangea longipes* Franch.
 15017. *Betula japonica* Sieb. var. *szechuanica* Schneid.
 15018. *Betula japonica* Sieb. var. *szechuanica* Schneid.
 15019. *Pinus Armandi* Franch.
 15020. *Abies sutchuenensis* (Franch.) Rehd. & Wils.
 15021. *Picea Wilsonii* Mast.
 15022. *Lonicera chrysantha* Turcz. var. *longipes* Maxim.
 15023. *Acanthopanax leucorrhizus* Harms
 15024. *Sorbus hupehensis* Schneid. var. *aperta* (Koehne) Schneid.
 15025. *Sorbus Koehneana* Schneid.
 15026. *Actinidia tetramera* Maxim.
 15028. *Viburnum betulifolium* Batal.
 15029. *Berberis brachypoda* Maxim.
 15030. *Quercus liaotungensis* Koidz.
 15031. *Acer Maximowiczii* Pax
 15032. *Acer tetramerum* Pax. var. *betulifolium* Rehd.
 15033. *Acer Davidi* Franch.
 15034. *Tilia chinensis* Maxim.
 15035. *Jasminum humile* L.
 15036. *Syringa oblata* Lindl. var. *Giraldii* Rehd.
 15037. *Quercus Baronii* Skan
 15038. *Ligularia yesoensis* Franch. var. *sutchuensis* Franch.
 15039. *Hydrangea Bretschneideri* Dipp. var. *glabrescens* Rehd.
 15040. *Acer caudatum* Wall. var. *multiserratum* Rehd.
 15041. *Acer Maximowiczii* Pax
 15042. *Tilia chinensis* Maxim.
 15043. *Pyrus pashia* Ham.
 15044. *Abies Faxoniana* Rehd. & Wils.
 15045. *Picea asperata* Mast.
 15046. *Philadelphus pekinensis* Rupr. var. *kansuensis* Rehd.
 15047. *Acer Maximowiczii* Pax
 15048. *Picea Wilsonii* Mast.
 15049. *Spiraea uratensis* Franch.
 15050. *Rhamnus leptophylla* Schneid.
 15051. *Acer tetramerum* Pax var. *betulifolium* (Maxim.) Rehd.
 15052. *Tilia chinensis* Maxim.
 15053. *Acer Grosseri* Pax
 15054. *Pyrus pashia* Ham.
 15055. *Aster Limprichtii* Diels
 15056. *Indigofera Bungeana* Walp.
 15058. *Syringa oblata* Lindl. var. *Giraldii* (Sprenger) Rehd.
 15059. *Exochorda Giraldii* Hesse
 15060. *Ailanthus altissima* (Mill.) Swingle
 15061. *Caragana densa* Komar.
 15062. *Caragana tangutica* Maxim.
 15063. *Syringa oblata* Lindl. var. *Giraldii* (Sprenger) Rehd.
 15064. *Picea Wilsonii* Mast.
 15065. *Picea asperata* Mast.
 15066. *Juniperus squamata* Buch.-Ham. var. *Fargesii* Rehd. & Wils.
 15067. *Smilax rubriflora* Rehd.
 15068. *Picea Wilsonii* Mast.
 15069. *Tilia chinensis* Maxim.
 15070. *Syringa pekinensis* Rupr.
 15071. *Buddleia albiflora* Hemsl.
 15072. *Evonymus phellomana* Loes.
 15073. *Quercus liaotungensis* Koidz.
 15074. *Malus toringoides* (Rehd.) Hughes

15075. *Quercus liaotungensis*
Koidz.
15076. *Philadelphus pekinensis*
Rupr. var. *kansuensis*
Rehd.
15077. *Pertya sinensis* Oliver
15078. *Lonicera Ferdinandi* Franch.
15079. *Abies sutchuenensis*
(Franch.) Rehd. &
Wils.
15080. *Picea asperata* Mast.
15081. *Abies Faxoniana* Rehd. &
Wils.
15082. *Abies Faxoniana* Rehd. &
Wils.
15083. *Betula albo-sinensis* Burk.
15084. *Abies Faxoniana* Rehd. &
Wils.
15085. *Aralia chinensis* L. var.
nuda Nakai
15086. *Picea Wilsonii* Mast.
15087. *Abies recurvata* Mast.
15088. *Abies recurvata* Mast.
15089. *Picea Wilsonii* Mast.
15090. *Pyrus pashia* Ham.
15091. *Picea Wilsonii* Mast.
15092. *Picea asperata* Mast.
15093. *Juniperus squamata* Buch.-
Ham. var. *Fargesii* Rehd.
& Wils.
15094. *Lycium chinense* Mill.
15095. *Bocconia spec.*

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